Undergraduate Course Catalogue 2005 – 2006

for courses in the Faculties
of Arts, Law, Business and
Social Sciences and Science

Senate Office
The University of Glasgow
Glasgow
G12 8QQ

September 2005

While care has been taken to ensure the accuracy of this Catalogue at the time of going to press courses may be changed subsequently. Up-to-date information may be obtained on enquiry to Ms Helen Clegg in the Senate Office (telephone: 0141-330 2533/2241, e-mail: H.Clegg@admin.gla.ac.uk) or to the department which teaches the course.

The University reserves the right to limit numbers on individual courses having regard to the availability of accommodation and other resources.

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Introduction

The Undergraduate Course Catalogue

This Undergraduate Course Catalogue describes the courses which you can choose to make up undergraduate degrees of the University of Glasgow offered by its Faculties of Arts, Law, Business and Social Sciences, and Science. The term *Faculties of Science*, throughout this document, refers to the three Faculties of Biomedical and Life Sciences; Information and Mathematical Sciences; and Physical Sciences. The degrees covered by the Catalogue are listed in the next section of this Introduction.

At this University you are admitted to a Faculty, and in Arts and Science you have the freedom to choose from a very large number of courses which can make up your degree programme. The same applies to Social Sciences in the Faculty of Law, Business and Social Sciences. Course prescriptions for degree programmes in the disciplines of Law and Financial Studies are more rigid. Details of course requirements can be found in the University Calendar (http://senate.gla.ac.uk/calendar/). The Undergraduate Course Catalogue tells you the aims of each course, and how your progress would be assessed. It also tells you what you need to know about how each course can be built into a degree programme – its level, credit value, and when it is taught. For each course it also tells you which other courses, if any, you must take first and the relevant grades you must achieve before you can enrol for the course – this is called the *Requirement for Entry*.

The Catalogue identifies the department offering each course and, if you want more information, you should write to the head of that department at: The University of Glasgow, Glasgow G12 8QQ. Also, the University's Web site: http://www.gla.ac.uk/, contains additional information about most departments together with e-mail contact addresses.

For detailed information on how you may combine courses to make up a particular degree programme you should consult the Degree Regulations published in the University Calendar - which is available online at: http://senate.gla.ac.uk/calendar/. Faculty Offices will also hold copies of relevant sections of the Calendar which students may consult. These regulations may seem rather complicated. Faculties of Arts and Law, Business and Social Sciences have also produced booklets which aim to simplify some of the degree regulations found in the Calendar. Contact your Faculty Office to receive a copy. For information on Science degree regulations, contact the Science Faculties Support Unit, Boyd Orr Building. Your Adviser of Studies can also help you to understand the Regulations and to choose courses each year which will lead to your chosen degree, provided you achieve the required grades in these courses. The Faculty Course Lists on page 202 of this Catalogue also provide information on courses available for particular degree programmes in the Faculty of Arts, Faculties of Science and some degrees in the Faculty of Law, Business and Social Sciences.

The Degree Regulations also show which subjects may be studied as Single Honours Degrees and which may be combined in Joint and Combined Honours Degrees. If you are aiming for an Honours degree you need to prepare for Honours study by including appropriate Level 1 and Level 2 courses in your first and second year choices - these are indicated in the Catalogue under the *Requirement for Entry* for each Honours programme. However, decisions on admission to the Honours degrees covered by this Catalogue are not made until the end of your second year of study. It should be stressed that admission to Honours is not automatic for any student. To guarantee admission you must satisfy the general requirements shown in the Degree Regulations, and in your Level 2 courses (and in some cases in Level 1 courses as well) obtain the grades shown under the Honours course entries in this Catalogue.

Individual Honours option courses in the Faculties of Arts and Law, Business and Social Sciences are not described in this Catalogue. However, information on these may be obtained from the relevant department or from the University's Web site. Some individual option courses may be taken by Visiting Students outwith the degree structures.

As well as leading to degrees, the study of many of the courses shown in this Catalogue can lead to the award of a Certificate of Higher Education or a Diploma of Higher Education for those not wishing or not able to complete a degree; again, see the Degree Regulations in the online Calendar and Faculty booklets for further information.

The University also offers a number of professional degrees, such as the degree in Medicine, where the curriculum is largely fixed and a Catalogue of this type is not necessary. Page vii of the Introduction tells you how to obtain information on degrees not covered by this Catalogue.

In addition, the University offers a large number of postgraduate degrees. These are described in the Graduate Prospectus – see page viii of this Introduction.

Degrees covered by this Catalogue

This Catalogue covers courses leading to the degrees shown below. These degrees have a flexible curriculum which can be built from a wide number of combinations of courses shown in the Catalogue. The Regulations for each degree are published in the University Calendar, which is available online at: http://senate.gla.ac.uk/calendar/. Simplified explanations of Regulations for degrees in the Faculty of Arts and for the MA (Social Sciences) degree are also available. The normal period of study for full-time students is shown in brackets for each degree. Many of the degrees may be studied part-time – see the University Calendar for details.

Arts
MA: Master of Arts
Designated Degree in General Humanities (three years)
Honours Degree (four years[1])

BMus: Bachelor of Music
Ordinary Degree (three years)
Honours Degree (four years)

[1] Plus a year abroad for Honours degree programmes including a foreign language.

BD: Bachelor of Divinity
Degree in Theology and Religious Studies (three years[2])
Honours Degree (four years)

BD (Ministry): Bachelor of Divinity (Ministry)
General Degree (four years)
Honours Degree (four years)

MA (Theology and Religious Studies): Master of Arts in Theology and Religious Studies
General Degree (three years)
Honours Degree (four years)

Law, Business and Social Sciences
MA (SocSci): Master of Arts (Social Sciences) *General Degree (three years) Honours Degree (four years[3])*

LLB: Bachelor of Laws
Ordinary Degree (three years)
Honours Degree (four years)

BAcc: Bachelor of Accountancy
Ordinary Degree (three years)
Honours Degree (four years)

BAL: Bachelor of Accountancy and Law
Ordinary Degree (three years)
Honours Degree (four years)

Science
BSc: Bachelor of Science
Designated Degree (three years)
Honours Degree (four years)
MSci: Master in Science
Advanced Honours Degree (four/five years)

Designated Degrees

The **Faculty of Arts** offers Designated Degrees in General Humanities in the following areas:

Ancient Studies
Creative and Cultural Studies
European Civilisation
Historical Studies
Linguistic Studies
Literary Studies
Philosophical Studies
Scottish Studies

Please see the Faculty Course Lists on page 202 for details of course prescriptions required to satisfy each of the designated degree requirements. As well as the courses offered by the Faculty of Arts, many courses available in the Faculties of Science, and Law, Business and Social Sciences might contribute to a degree in the Faculty of Arts, as may some courses offered through the Faculty of Education, including the Department of Adult and Continuing Education. For further information please contact your Adviser of Studies.

In the **Faculties of Science** the successful completion of the first three years of any honours course qualifies a student for a designated degree in that subject. In addition there are specific third year programmes leading to designated degrees in the following subjects. For further information contact the department listed below.

Animal Biology (Institute of Biomedical and Life Sciences)
Archaeological Studies (Department of Archaeology)
Astronomy (Combined Only) (Department of Physics & Astronomy)
Biology and Chemistry (Department of Chemistry and Institute of Biomedical and Life Sciences)
Biomolecular Sciences (Institute of Biomedical and Life Sciences)
Chemistry (Department of Chemistry)
Chemistry and Mathematics (Departments of Chemistry and Mathematics)
Chemistry with Medicinal Chemistry (Department of Chemistry)
Computing Science (Department of Computing Science)
Earth Science (Department of Geographical and Earth Sciences)
Environmental Chemistry (Department of Chemistry)
Geographic Information and Mapping Sciences (Department of Geographical and Earth Sciences)
Geography (Department of Geographical and Earth Sciences)
Geography, Chemistry and the Environment (Department of Geographical and Earth Sciences)
Human Biology (Institute of Biomedical and Life Sciences)
Infection Biology (Institute of Biomedical and Life Sciences)
Mathematical & Statistical Studies (Departments of Mathematics and Statistics)
Mathematics (Department of Mathematics)
Physics (Department of Physics and Astronomy)
Psychological Studies (Department of Psychology)
Sports Science (Institute of Biomedical and Life Sciences)

Credit Bearing Courses in the Department of Adult and Continuing Education

The Department of Adult and Continuing Education offers a wide range of credit-bearing courses which can count towards a degree in the Faculties of Science. For further information contact the Principal Adviser of Studies in Science.

A course from the Department of Adult and Continuing Education should not normally form part of a full-time curriculum for a student in the Faculties of Science.

In the Faculty of Law, Business and Social Sciences students may complete the MA (Social Sciences) General Degree with Level 3 non-Honours study in most subjects offering an Honours degree in Social Sciences. Full details of the requirements to complete the degree are listed in the University Calendar.

[2] This degree is also available through distance education. Please contact the department for details.

[3] Plus a year abroad for Honours degree programmes including a foreign language

Part-time Study towards a degree

Daytime Part-time Study

Most courses offered by the Faculty of Arts, Faculties of Science and some in the Faculty of Law, Business and Social Sciences are available for study during the day, along with those offered by the Department of Adult and Continuing Education. For those students wishing to study on a part-time basis during the day, the normal timetable for daytime study applies.

Evening Part-time Study

Some courses offered by the Faculty of Arts, the Faculty of Law, Business and Social Sciences and the Department of Adult and Continuing Education can be studied in the evening and these courses also count as credit towards a degree. These courses are listed in this course catalogue under the relevant subject: Anthropology, Economic and Social History and Philosophy.

The Department of Adult and Continuing Education also offers a wide range of credit-bearing courses for study in the evening, many of which can count as credit towards a degree. These courses are detailed in the section for the Department of Adult and Continuing Education.

For information on the courses available for daytime and evening study please refer to the Part-time Degrees Prospectus. Please contact Dawn Porecki in the Widening Participation Service, 12 Southpark Terrace, University of Glasgow G12 8LG
Tel 0141 330 3177
E-Mail: d.porecki@admin.gla.ac.uk

How to obtain information on other degrees offered by the University

This Course Catalogue contains information about courses only in the Faculties of Arts, Law, Business and Social Sciences and Science. For information about courses and degree programmes in other Faculties (namely Education, Engineering, Medicine and Veterinary Medicine), and in the University's Associated Institutions, please contact the people/offices below or consult the University's Undergraduate Prospectus.

Education (for the degree of Bachelor of Education in Primary Education and the MA in Religious and Philosophical Education with Teaching Qualifications)

Admissions Secretary, Faculty of Education, St Andrew's Building, telephone: 0141-330 2463, e-mail: admissions@educ.gla.ac.uk

Bachelor of Technological Education and Bachelor of Technology Studies in Technology and Management

Mrs Joyce Scobie (0141 330 3097, email j.scobie@elec.gla.ac.uk) or Dr Maggie Pollock, Robert Clark Centre for Technological Education, St Andrew's Building, University of Glasgow, G3 6NH, telephone 0141-330 3092, e-mail: M.Pollock@mech.gla.ac.uk

Engineering

Aerospace Engineering:

Ms Audrey Queen, Department of Aerospace Engineering Departmental Secretary, James Watt (South) Building, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141-330 3575, e-mail: aqueen@aero.gla.ac.uk

Civil Engineering:

Dr Ian McConnochie, Department of Civil Engineering, University of Glasgow, Glasgow, G12 8QQ, telephone 0141-330 4075, e-mail: i.mcconnochie@civil.gla.ac.uk

Electronics and Electrical Engineering:

Dr Scott Roy, Department of Electronics & Electrical Engineering, University of Glasgow, Glasgow, G12 8QQ, telephone 0141-330 5218, e-mail: s.roy@elec.gla.ac.uk

Mechanical Engineering:

Dr M. Lucas, Department of Mechanical Engineering, University of Glasgow, Glasgow, G12 8QQ, telephone 0141-330 4323, e-mail: M.Lucas@mech.gla.ac.uk

Naval Architecture and Marine Engineering:

Simon Craufurd, Henry Dyer Building, John Anderson Campus, University of Strathclyde, Glasgow, telephone 0141-548 3875, e-mail: s.craufurd@na-me.ac.uk

Technological Education and Technology and Management

Mrs Joyce Scobie (0141 330 3097, email: j.scobie@elec.gla.ac.uk), Dr Maggie Pollock, Robert Clark Centre for Technological Education, 66 Oakfield Avenue, Glasgow, G12 8LS, telephone 0141-330 3092, e-mail: M.Pollock@mech.gla.ac.uk

Medicine

Medicine:

Mrs Anne Cooney, Wolfson Medical School, University Avenue, telephone 0141-330 6216, e-mail: admissions@clinmed.gla.ac.uk

Dentistry:

Helen-Marie Clayton, Glasgow Dental Hospital & School, 378 Sauchiehall Street, Glasgow G2 3JZ, telephone 0141-211 9708, e-mail: h.clayton@dental.gla.ac.uk

Nursing:

Olivia Brittian, Admissions Officer, Department of Nursing & Midwifery Studies, 59 Oakfield Avenue, University of Glasgow, Glasgow G12 8QQ, telephone 0141-330 5613, e-mail: O.Brittian@clinmed.gla.ac.uk

Veterinary Medicine

Joyce Wason, Admissions Convenor and Student Affairs Co-ordinator, University of Glasgow School of Veterinary Medicine, Bearsden Road, Glasgow G61 1QH, e-mail: j.wason@vet.gla.ac.uk

Crichton Campus (for degrees in Liberal Arts)

Professor M G Ward, University of Glasgow Crichton Campus, Dumfries, DG1 4ZL, telephone: 01387 702037, e-mail: mgw@arts.gla.ac.uk

Glasgow School of Art (for degrees in Architecture, Design and Fine Art)

The Registry, Glasgow School of Art, 167 Renfrew Street, Glasgow, G3 6RQ, telephone: 0141-353 4514, e-mail: sh.hamilton@gsa.ac.uk.

Scottish Agricultural College (SAC) (for degrees in Agriculture, Food Science, Horticulture, Landscape Management, Leisure (Sport and Recreation), Adventure Tourism and Outdoor Pursuits, Countryside Management, Rural Tourism, and Applied Bioscience)

The Recruitment and Admissions Office, SAC, Auchincruive Estate, Ayr, KA6 5HW, telephone: 0800 269453, e-mail: recruitment@sac.ac.uk

The Free Church of Scotland (Bachelor of Theology)

Free Church College, The Mound, Edinburgh EH1 2LS, telephone: 0131 226 5286, e-mail: contact@freescotcoll.ac.uk

Other useful sources of information

The University's World-Wide Web Site: provides a wide variety of information about the University and its faculties, departments and courses: http://www.gla.ac.uk/.

Undergraduate Prospectus: gives you information about entrance requirements to the University, how to apply, the facilities the University has to offer and more besides. You can obtain a copy from: The Central Admissions Service, University of Glasgow, Glasgow, G12 8QQ, telephone 0141-330 4440 or browse through it online: http://www.gla.ac.uk/prospectus.

Graduate Prospectus: gives information about Faculties and Graduate schools, as well as departmental research interests and themes. It also contains information about the University's taught postgraduate courses. You can obtain a copy from: Student Recruitment, No 1 The Square, University of Glasgow, Glasgow, G12 8QQ, telephone 0141-330 4440 or browse through it online: http://www.gla.ac.uk:443/studying/pg/prospectus/

Courses for Adults: a number of courses available in the Department of Adult and Continuing Education are contained in the Catalogue on pages 6 – 17. Further information on these, and other, Adult and Continuing Education courses, including language courses, can be obtained from the Department. Courses may be timetabled for day, evening or weekends. Contact: the Enrolment Secretary, DACE, St Andrew's Building, 11 Eldon Street, Glasgow G3 6NH or browse online at: http://www.gla.ac.uk/adulteducation/

Disability Statement for Students: this states the University's policy regarding students with disabilities and special needs. For a copy please contact: Student Disability Adviser, John McIntyre Building, University of Glasgow, G12 8QQ, telephone 0141 330 5497, email: studentdisability@gla.ac.uk.

Glasgow University Library: produces a leaflet that will introduce you to the library and the facilities it offers. For a copy please contact: The Enquiry Desk, Glasgow University Library, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141-330 6704, e-mail: library@lib.gla.ac.uk.
Web site: http://www.lib.gla.ac.uk/.

A Guide to Registry Services: contains information about the services the Registry provides for students. All the information contained in the guide as well as lots more is available online at: www.gla.ac.uk/registry. For further information please contact: The Registry, Gilbert Scott Building, University of Glasgow, Glasgow, G12 8QQ, telephone: 0141-330-4245, e-mail: reg.enq@admin.gla.ac.uk.

International Student's Handbook: has been compiled to help international students through most of the formalities and procedures both before and after arrival in Glasgow and to offer advice and support. This is available online at: http://www.gla.ac.uk/Publications/ish. For further information please contact the International Student Adviser e-mail: a.mcgregor@admin.gla.ac.uk.

Study Abroad Course Catalogue: is a reference guide to courses which are available for students from outside the E.U. who are studying at the University for a semester or a year as part of a Study Abroad programme. This is available online at: http://www.gla.ac.uk/studying/studyabroad. For further information please contact Student Recruitment and Admissions Service, No. 1 The Square, University of Glasgow, Glasgow, G12 8QQ,
Telephone: +44 141 330 6516, Fax: +44 141 330 4045, e-mail: C.McGowan@admin.gla.ac.uk

List of departments offering courses in this catalogue

Accounting and Finance
Adult and Continuing Education
Archaeology
Biomedical and Life Sciences
Business and Management Studies, School of
Celtic
Central and East European Studies
Chemistry
Classics
Computing Science
Crichton Campus
Economics
Economic and Social History
Educational Studies
Electronics and Electrical Engineering
English Language
English Literature
Geographical and Earth Sciences
History
History of Art
Humanities Advanced Technology and Information Institute
Immunology, Infection & Inflammation
Law, School of
Mathematics
Music
Philosophy
Physics and Astronomy
Politics
Psychology
Public Policy (taught within the Department of Urban Studies)
School of Modern Languages and Cultures
- French
- German
- Hispanic Studies
- Italian
- Slavonic Studies
Scottish Literature
Sociology and Anthropology
Statistics
Theatre, Film and Television Studies
Theology and Religious Studies

Guide to Course Entries

DEPARTMENT
The department that teaches the course. Some courses are taught by more than one department: consult the Course Index at the end of the Catalogue to identify the department under which the course is listed.

COURSE NAME/CODE
Most Honours programmes are essentially two year courses taught over levels 3 and 4. Where this is the case, the course description appears under the level 3 entry and the level 4 entry references this.

CREDITS
Number of credits assigned to each course. 360 credits are required for a General/Designated Degree (except for the BD (Ministry) General Degree, for which 480 credits are required). 480 credits are required for an Honours Degree (excluding credit for the year abroad spent by students studying a foreign language at Honours Degree level). Students who commenced study in the Faculty of Arts or on the MA (Social Sciences) prior to October 2000 should consult their Adviser of Studies to confirm the credit rating of their degree.

LEVEL
Except for Level 1 courses, courses normally have one or more prerequisites (see Requirements of Entry below) at the previous level: e.g. Level 2 courses have prerequisites at Level 1, Level 3 courses have prerequisites at Level 2, etc. Some Honours courses are shown as Level 3 / 4: these are essentially two year courses with prerequisites at Level 2 (and sometimes also at Level 1).

WHEN TAUGHT
Indicates when a course is taught during the academic year:
"Full Year" is a thirty week teaching and examination period running throughout semesters 1 and 2.
"Semester 1" is a fifteen week teaching and examination block running from September to January in the first half of the academic session.
"Semester 2" is a fifteen week teaching and examination block running from January to June in the second half of the academic session.

TIMETABLE
The days and times of classes and the method of teaching/learning used, including laboratory work, field work, tutorials, etc. Please note that this information can be subject to change. Up to date information can be obtained from the Department.

REQUIREMENTS OF ENTRY
The requirement guaranteeing entry to the course, usually involving courses taken in earlier years (prerequisites). For admission to Honours, Faculty requirements must be met in addition – see Degree Regulations in the University Calendar. If an entry requirement involves a course taken in the same year, it is termed a co-requisite.

CO-REQUISITE
An entry requirement that requires a course to be taken in the same year.

EXCLUDED COMBINATIONS
Courses that are mutually exclusive as part of a minimum graduating curriculum, i.e. only one of the courses can count towards your degree.

ASSESSMENT
How the course is assessed – includes all examinations, essays, project work and other coursework that counts toward the final grade or Honours classification together with the weighting of each.

DEGREE EXAMINATION TAKEN IN
The month(s) the degree examination is usually held.

RESIT EXAMINATION TAKEN IN
The month(s) the resit examination is usually held.

AIMS
The aims of a course are a statement of what the department is setting out to provide educationally for students taking the course. As well as aims, for each course there are also intended learning outcomes which indicate what students should know and be able to do at the end of the course. Learning outcomes are included in course documentation provided by departments to students taking a course.

HONOURS COURSE PRESCRIPTION
A description of what Honours courses are necessary to satisfy the requirements for the Honours degree concerned.

COURSE CO-ORDINATOR
The member of staff responsible for the course including its administration.

Course Entries

Accounting & Finance

Details are correct at the time of going to print. However, you should check the Accounting & Finance website (http://www.accfin.gla.ac.uk) for up to date information.

8BHU BUSINESS REPORTING & FINANCIAL MANAGEMENT 1

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Wednesday 12-1pm and Thursday 12-1pm, tutorials tba.

Requirements of entry: There are no pre-requisites for entry to this course.

Excluded Courses: Students cannot take this course along with Financial Accounting 1

Assessment: Computer based assessment = 25%, Class Test (a 45 minute objective test in the last lecture slot in week 26) = 25%, Degree examination (11/2-2 hours) = 50%

Aims: The general aims of this course are: 1) to provide students with a challenging and interesting introduction to the ideas and practices of financial accounting, 2) to examine the collection and processing of accounting data in order to prepare financial statements, 3) to examine the concepts that underpin financial accounting, 4) to examine the use of financial accounting information. 5) to introduce students to the social and political role of accounting.

Course Co-ordinator: Miss Heather Tarbert

4YJU ENVIRONMENT OF INTERNATIONAL BUSINESS

Credits: 15 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Seminars are held during Semester 1 each Friday from 2.00 pm to 5.00 pm.

Assessment: Coursework Project 40%; Degree examination: 60%. No exemptions.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aim of the course is to give students a broad and critical understanding of the international business environment within which multinational corporations operate, and to understand the major strategic planning issues facing MNC management. Students will develop critical skills in assessing the impact of the business environment on real-world company situations. The emphasis throughout is on understanding and being able to articulate the fundamental issues involved.

Course Co-ordinator: Dr Marian Jones

6KHU FINANCE 1

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Assessment: One 2-hour paper (75%), plus class test (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is a compulsory first year B.Acc course which introduces students to the fundamentals of Corporate Finance. It focuses on identifying the financial objective of the firm and on understanding how the principal financial decisions should be made within the firm in order to achieve this objective. Coverage will include sources of company finance, an introduction to capital markets and the principles of security valuation, methods of investment appraisal and an overview of portfolio theory. These ideas are developed in the second year course, Finance 2, and together these two courses provide the basis necessary for students who wish to take Finance options at Honours level.

Course Co-ordinator: Mr Michael Keeley

3BLU FINANCIAL ACCOUNTING 1

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: 3.00-5.00 pm, normally Monday and Tuesday with occasional sessions at 3.00-4.00pm on Thursday and Friday. Tutorials: one tutorial per week. Plus computer laboratories.

Requirements of entry: This course is only available to students in the Department of Accounting and Finance. For alternative courses see Business Reporting and Financial Management and Management Accounting and Finance.

Assessment: Assessment will be based on coursework and final degree examinations. The coursework, one individual computational based question and one group computer based project will account for 40% and the degree examinations for 60% of the total assessment.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The general aim of this course is to provide you with a challenging and interesting introduction to the theory and practice of financial accounting. We discuss the role of financial accounting within society. We explore the collection and processing of accounting data in order to prepare financial statements, with reference to both the underlying concepts and the use of that information. The course also includes the use of computers largely through computer assisted learning and coursework. Finally we also hope to help you develop certain personal transferable skills, such as listening and taking notes in lectures, gathering, organising and interpreting information and working with others. This will be achieved in various ways including your participation in tutorials and computer laboratories.

5LGU INTRODUCTION TO BUSINESS STATISTICS 1

Credits: 15 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: 2 Lectures per week, Wednesday - 10.00 am, Friday - 11.00 am. 7 Tutorials throughout the Semester.

Requirements of entry: Additionally, students must undertake and pass the Basic IT Skills Course (BITS)

Assessment: One 2-hour paper (75%); coursework (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of the course is to enable students to develop an understanding of introductory statistical concepts and quantitative methods for data analysis, which are used in the study and practice of accounting and finance. The investigation of the introductory statistical and quantitative concepts will be done in a decision-making context, which focuses on the variety of business problems in the field of accounting and finance.

Course Co-ordinator: Mrs Margaret Milner

3CGU MANAGEMENT ACCOUNTING & FINANCE 1

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures will be held on Wednesday and Thursday lunchtimes from 12-1pm.

Requirements of entry: Students cannot take this course in conjunction with or if they have already taken Management Accounting 1. Students will be assumed to have sufficient experience in the use of computers to use simple PC based Computer Assisted Learning Materials.

Assessment: 50% coursework and 50% final degree examination.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to provide students with an introduction to management accounting and investment appraisal so as to help them understand the role of accounting and financial information within management and improve their knowledge of the use of financial information in decision making.

Course Co-ordinator: Miss Heather Tarbert

3BPU MANAGEMENT ACCOUNTING 1

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures and Workshops: normally Monday (3.00-5.00 pm), Tuesday (3.00-4.00 pm) and Thursday (3.00-5.00 pm), weekly tutorials TBA (not all sessions will be used in all weeks).

Requirements of entry: Basic IT Skills

Assessment: The course work will account for 30% and the degree examination (2 hours) for 70% of the total assessment.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The general aim of this course is to provide you with an introduction to Cost and Management Accounting.The course is taught in the context of principles and theories relevant to the study of cost and management accounting systems, where the teaching of computational skills is aimed at relating accounting techniques to these theoretical frameworks. The course is set within an organisation theory approach to management accounting and specifically identifies the need to utilise different financial and non-financial data for different management purposes. The course also aims to provide you with skills which will be used in the working environment such as gathering, organising and interpreting information and working with others.

Course Co-ordinator: Mr Gregory Stoner

5MJV BUSINESS STATISTICS 2

Credits: 15 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 2 Lectures per week - Wednesday 10am and Friday 11am. Tutorials TBA.

Requirements of entry: Introduction to Business Statistics 1

Assessment: One 2-hour paper (75%): project (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this course is to enable students to develop an understanding of the applications of statistical concepts and quantitative methods in the study and practice of accounting and finance. The course will cover the variety of statistical techniques and quantitative models that support decision-making processes. Models and modelling process will be a prime focus.

Course Co-ordinator: Prof Kwaku Opong

6KHV FINANCE 2

Credits: 15 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: One two hour lecture per week plus tutorials TBA.

Requirements of entry: Students should normally have attained a pass at minimum Grade D in Finance 1 or equivalent.

Assessment: One 2-hour paper (75%) and group project (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course builds on the ideas introduced in Finance 1 and Finance 2 aims to provide students with a thorough understanding of corporate finance, while also introducing aspects of capital markets finance. Together, Finance 1 and 2 aim to provide students with the core finance knowledge required of BAcc students. Finance 2 also aims to provide students with a thorough foundation for the study of subsequent optional finance courses. Finance 2 aims to consolidate ideas introduced in Finance 1 by applying them to specific special topics such as leasing, acquisitions and options, as well as introducing the analysis of the financing decision. The course emphasises the practical implications of finance theory and its application in financial decision making.

Course Co-ordinator: Prof John Holland

3BLV FINANCIAL ACCOUNTING 2

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures: Tuesday (10-11am) and Friday (9-11am). Tutorials plus computer assisted learning (CAL) hours TBA.

Requirements of entry: Successful completion of a level 1 accountancy course, normally Financial Accounting 1.

Assessment: The assessment will be based on the aggregate of marks awarded for the course-work (25%) and the degree examination (75%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to: (i) advance students' ability to prepare accounts in accordance with relevant standards; (ii) to encourage students to apply a critical and analytical approach to accounting, and (iii) to enhance students' analytical and presentational skills.

Course Co-ordinator: Dr John McKernan

471B INFORMATION AND COMPUTER SYSTEMS BACC

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 2 lectures per week, Monday 12.00 noon, Wednesday 12.00 noon. Weekly tutorials/computer labs TBA.

Requirements of entry: Financial Accounting 1 and Management Accounting 1, or similar and Basic IT Skills.

Assessment: One 3-hour paper (75%). Group Project (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The principal aim of this course is to enable students to develop an understanding of the nature and role of information systems within organisations, together with an awareness of the practical implications of some of the crucial aspects of the working and development of information systems. As most organisations use computers to aid, or form the basis of, their information systems it is essential that students have a rudimentary knowledge of computers and Information Technology (IT) and are aware of the problems and benefits associated with the use of computers and IT to perform organisational/business tasks. Consequently, secondary aims of the course include: to ensure that students are acquainted with a basic core knowledge of computers and IT, to provide students with an understanding of, and 'hands-on' IT skills in the use of, a PC based database management system, and to provide an understanding of the principal effects that computers and IT may have on information systems within organisations. It is important to stress that, so far as this course is concerned, computing and IT knowledge is NOT an 'end' in itself but is an important element in the understanding of contemporary information systems. In addition to the specific subject based aims noted above, the course also aims to enhance students' critical and analytical skills and to further develop group and interpersonal skills, through the teaching and assessment of the course.

Course Co-ordinator: Mr Gregory Stoner

3BPV MANAGEMENT ACCOUNTING 2

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures per week. Thursday 9-11am; Friday 10-11am. Tutorials are held fortnightly.

Requirements of entry: Successful completion of a first level management accounting course; B.Acc. students must normally have a pass in Accountancy 1 or Management Accounting 1.

Assessment: The assessment for this course will be based on the aggregate of marks awarded: Personal coursework 25%; 2 hour degree examination 75%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are to help students to develop a thorough knowledge and understanding of the theory, principles, concepts and techniques used in management accounting primarily to assist managers in running a more effective business; and, to critically examine the suitability and effectiveness of management accounting approaches for a variety of management challenges.

Course Co-ordinator: Prof Ken Shackleton

345B TAXATION

Credits: 30 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Taxation lectures for 2005/06 as follows: Lectures: Semester 1 Tuesday 9.00-10.00am, Wednesday 10.00-12.00 noon Semester 2 Tuesday 9.00-10.00am, Wednesday 9.00-10.00am and Thursday 11.00-12.00 noon Workshops: Semester 1 Monday 9.00-11.00am, Friday 9.00-11.00am Semester 2 Monday 11.00-1.00 pm, Friday 9.00-11.00am

Requirements of entry: None

Co-requisites: None

Excluded Courses: Tax Law

Assessment: Assessment: based on class exam in Semester 1 and coursework in Semester 2 final degree examinations. The class exam will account for 25% and the coursework will also account for 25% with the balances of 50% based on the final degree exam.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are: (1) to explain the most important elements of the principal UK taxes; (2) to develop a critical understanding of the different sources of tax law; (3) to provide students with the knowledge and skills necessary to calculate income tax, corporation tax, capital gains tax and value added tax liabilities; (4) to introduce students to the legal skills relevant to the interpretation of fiscal legislation, including the research of cases, statutes and other relevant materials, and the reading and analysis of same; (5) to

meet the accreditation requirements of the appropriate accountancy and legal professional bodies.

Course Co-ordinator: Mrs Lorraine Callander

91TC ACCOUNTING & BUSINESS ETHICS 3

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Most seminars will be held each Monday during Semester 2 from 12-2pm.

Requirements of entry: Prerequisites for the course will normally be a pass in Financial Accounting 2 however, entry to the course will be at the discretion of the course coordinator.

Assessment: Assessment of the course will be based on one piece of coursework (40%) and a degree exam in May/June (60%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course has three key aims: firstly to give students the opportunity to explore the ethical foundations upon which accounting practice is based; secondly to study the way in which ethical decision making takes place within the context of business organisations; and finally to give students the opportunity to explore a number of different ethical theories and apply those theories in the analysis of business ethics dilemmas.

Course Co-ordinator: Prof Kenneth McPhail

93WW ACCOUNTING FOR MANAGEMENT CONTROL

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: 1 Lecture per week (2-4pm) and Tutorials fortnightly.

Requirements of entry: Management Accounting 2

Assessment: One 2-hour exam paper (Ordinary) or one 3-hour exam paper (Hons) worth 75% and one group case study worth 25%.

Degree Examination taken in: May/June

Aims: Modern business enterprises operate in dynamic complex environments where the management control system (MCS) must be responsive and flexible. Using contingency theory, transaction cost economics and motivation theory, an analysis of the interaction between the MCS and managerial behaviour is undertaken. This is effected through an MCS framework which considers the choice of performance indicators, targets, rewards and learning relative to corporate strategy. Specific topics such as EVA, balanced score card, transfer pricing, allocation and strategic investment decisions enable the practical and theoretical dimensions to be considered simultaneously. The course aims to improve understanding of MCS and design choices available; critical appraisal of literatures; competence in numerical computation; development of interpersonal and group skills.

Course Co-ordinator: Dr Georgios Kominis

93WN ADVANCED FINANCIAL ACCOUNTING PRACTICE

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: One Lecture per week (Tuesday 2-4pm). Tutorials will run one per fortnight.

Requirements of entry: A pass in Financial Accounting 2 or equivalent.

Assessment: Degree examination (75%) and coursework (25%).

Degree Examination taken in: May/June

Aims: To critically examine current financial accounting practice for a selection of topics, some of which are controversial. To develop a thorough knowledge and understanding of the accounting principles, concepts, regulations and techniques, applicable to the selected topics.

Course Co-ordinator: Prof Kenneth McPhail

93WM AUDITING THEORY AND PRACTICE

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: One Lecture per week (Tuesday 1-3pm). One tutorial per fortnight.

Requirements of entry: A pass in Financial Accounting 2 or equivalent.

Assessment: Degree Examination (75%) and coursework (25%).

Degree Examination taken in: May/June

Aims: The course will provide students with an introduction to the principles of auditing and auditing techniques. The course will specifically review: 1) the theory of auditing; 2) the practical application of that theory; 3) the regulatory framework for audit; 4) the pressures and problems facing the audit profession.

Course Co-ordinator: Dr John McKernan

90CB CAPITAL MARKETS THEORY

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: One two hour lecture per week (Monday 2.00-4.00 pm) plus tutorials TBA.

Requirements of entry: Students should normally have attained a pass at a minimum Grade D in Finance 2 or equivalent.

Assessment: One 3-hour paper (75%) and continuous assessment (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this course is to provide students with a thorough understanding of the nature of financial markets and of the securities that are traded on them. The course stresses the necessity of deciding on the Investment Goals before taking any other decisions. Concepts of risk, return and valuation are central to developing this understanding, various asset pricing models will be

applied to practical investment problems. The tutorials are structured to encourage students to apply the principles taught in the lectures to problems actively arising in the Financial Markets. Whenever possible, current issues in the Financial Markets will be examined to demonstrate how to apply investment principles.

Course Co-ordinator: Prof Jo Danbolt

93WQ CONTEMPORARY FINANCIAL REPORTING ISSUES

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: One seminar per week, Friday (11-1pm).

Requirements of entry: A pass in Financial Accounting 2 or equivalent.

Assessment: Degree Examination (60%) and coursework (40%).

Degree Examination taken in: May/June

Aims: By examining financial reporting through various critical lenses, this course aims to help students to: 1) develop more critical and theoretically informed evaluative insight into the discipline of accounting and its functioning in society; 2) recognise financial reporting as an interested social practice; 3) critically appreciate what is at stake in certain contemporary financial reporting debates.

Course Co-ordinator: Dr John McKernan

89KR ENVIRONMENTAL ACCOUNTING, FINANCE AND REPORTING (ONLY AVAILABLE IN 2005-2006)

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Two hours of weekly lectures in Semester 2. Six hourly tutorials in Semester 2 and a student presentation.

Requirements of entry: Financial Accounting 2, Management Accounting 2 or Finance 2.

Assessment: 3-hour paper (65%); presentations in seminars (10%) and coursework essay (25%).

Degree Examination taken in: May/June

Aims: The aim of this course is to develop students' understanding of environmental accountability and in so doing, their ability to critically analyse accounting, finance, reporting and auditing practices. Existing environmental accounting, finance reporting and auditing practices are studied. Emphasis will also be placed on developing the key skills of critical analysis, collecting, organising and interpreting materials, and written and oral communication.

Course Co-ordinator: Dr Niklas Kreander

92EZ FINANCIAL MARKETS & FINANCIAL INSTITUTIONS

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Lectures: every Friday at 12-2pm during Semester 2. Tutorials: TBA

Requirements of entry: Finance 1 and Finance 2.

Assessment: Students will be required to submit one piece of written work, which will count for 25% of the total assessment. The remaining 75% will be based on the degree examination.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aim of this twenty-hour course is to give students a comprehensive and up to date coverage of the modern theory and practice of financial markets and financial institutions. The course has a strong international dimension. The specific aims of the course are:- (1) to understand the nature of the domestic and international markets for capital and financial services and the central role of banks and other financial institutions in these markets. (2) to understand the specific nature of retail, wholesale and corporate banks as independent banks and as constituent elements of a larger universal bank. (3) to understand the specific nature of insurance, pension fund, unit trust and investment trust financial institutions, and their corresponding fund management arms. (4) to understand the common underlying theory (information asymmetry, adverse selection, moral hazard at the level of transactions, and financial intermediation theory at the level of financial institutions) underpinning our understanding of all of these financial institutions. (5) to understand how financial institutions play a central role in asset pricing mechanisms in markets for retail savings and financial services, retail deposits, wholesale deposits, foreign exchange, loans, bonds, equities, swaps and other derivatives. (6) to understand how financial institutions play a central role in market based mechanisms for the production of information and the governance of companies. (7) to understand how and why the above financial institutions are regulated in retail and wholesale markets.

Course Co-ordinator: Prof John Holland

92GR FINANCIAL STATEMENT ANALYSIS

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: One seminar per week (Thursday 11-1pm) and tutorials TBA.

Requirements of entry: Finance 1, Financial Accounting 2, Management Accounting 2.

Assessment: Assessment will be by means of group assignment (35%) and a 3-hour exam (65%)

Degree Examination taken in: May/June

Aims: The course presents a theoretically informed analysis of firm value using accounting data. By the end of the course students should be able to undertake a coherent analysis of company performance and potential shareholder value using published accounts. Considerable emphasis is placed on the analysis of published accounts for major UK companies.

Course Co-ordinator: Mr Antonios Siganos

93WT INTERNATIONAL FINANCIAL ACCOUNTING

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: One seminar per week, fortnightly tutorials. Tuesday 11-1pm.

Requirements of entry: Accountancy 2 or Financial Accounting 2 and Management Accounting 2.

Assessment: Ordinary course: one 2-hour paper; Honours course: 3-hour paper (75%) of total marks. One group coursework assignment (20%); group tutorial presentations (5%).

Degree Examination taken in: May/June

Aims: The aims of this course are: (1) To provide students with an understanding of the nature of, and influences on, financial reporting practices in different countries. Emphasis is placed on the importance of a country's cultural, social, economic, legal and political environment in determining the nature of the rules and regulations which govern its financial reporting practices. (2) To provide students with an understanding of the efforts made by the IASB to harmonise accounting disclosures. (3) To enable students to begin to understand and critically evaluate the economic objectives that underpin the IASB's project. (4) To introduce students to some of the key contemporary accounting issues that the IASB has attempted to address. These issues will change year on year to reflect the current important topics as they emerge.

Course Co-ordinator: Prof Kenneth McPhail

96TG INTERNATIONAL FINANCIAL MANAGEMENT

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: One two hour lecture per week plus tutorials TBA. Thursday 12 noon - 2.00pm.

Requirements of entry: Students should normally have attained a pass at a minimum of Grade D in Finance 2 or equivalent.

Assessment: The final assessment for this course will be based on a 3-hour unseen written examination (75%) and the assessable course work (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course explores the complexities of corporate financial management in an international setting, where companies are subject to exchange rate risk. Exchange rate theories and their practical implications are analysed, as well as the merit of foreign exchange risk management. The course also aims to provide students with a thorough understanding of international investment and financing decisions. The course emphasises the practical implications of finance theory and its application in international financial management.

Course Co-ordinator: Prof Jo Danbolt

1X6D MANAGERIAL ACCOUNTING AND ORGANISATIONAL BEHAVIOUR

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Term 1: lecture: Thursday 10:00 - 12:00 pm; tutorials: fortnightly.

Requirements of entry: Management Accounting 2

Assessment: The assessment for this course will be based on the aggregate of marks awarded: personal coursework 25%; three hour degree examination 75%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this course is to make students aware of the organisational context of management accounting and to provide an understanding of developments in managerial accounting theory and practice. The intention is to make students aware of the wider context in which formal accounting controls are set. Thus, the aim is to complement traditional management accounting literatures and widen the scope for a broader study of the subject. The study is widened to encompass the European dimension of theory and practice. The course aims to: improve the knowledge base and understanding of the nature and role of managerial accounting; encourage a critical appraisal of the literatures; develop interpersonal and presentational skills and stimulate research interests and perspectives.

Course Co-ordinator: Prof Ken Shackleton

Adult & Continuing Education

DACE credit-bearing courses are available to both part-time adult students (mature students, enrolled through DACE) and current undergraduate students. If full-time undergraduate students wish to consider taking some of these courses as part of a qualifying curriculum, they should apply using the DACE application form (available by telephoning 0141 330 1835). The completed form should be sent to DACE, along with a letter from an adviser to indicate that the course is a part of the student's degree curriculum. In these cases the student will not be charged the normal fee for the course. Undergraduate students should be aware that DACE classes may be rather different in style to the classes undergraduate students are used to in the full-time University programme. DACE classes are typically small and mostly consist of part-time and mature students. Traditionally they are discussion-based classes rather than lectures, in which students are encouraged to contribute their own observations and questions under the guidance of the tutor. Undergraduate students are nonetheless very welcome to join.

9CT7 ANCIENT EGYPTIAN ART

Credits: 10 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Classes will be held weekly on Wednesdays at 19.00, and each will last 2 hours.

Co-requisites: None.

Excluded Courses: Students who have previously studied Course 2DG7 (Egyptology 3: Art, Kingship and Religion in Ancient Egypt) are excluded from this course. Otherwise there are no restrictions on access.

Assessment: Essay 1, 30% Essay 2, 30% Examination, 40%

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: This course looks at the art of Ancient Egyptian tombs and temples, and the ideas and beliefs associated with them. Students will be expected to learn about the basic techniques and principles of the ancient artists, as well as specific masterpieces of Egyptian art. Particular emphasis will be put on how to use artworks as a primary source for the study of the history and culture of Ancient Egypt.

Course Co-ordinator: Dr William Manley

9CU7 ANCIENT EGYPTIAN TEMPLES

Credits: 10 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Classes will be held weekly on Wednesdays at 19.00, and each will last 2 hours.

Co-requisites: None.

Excluded Courses: Students who have previously studied Course 2DG7 (Egyptology 3: Art, Kingship and Religion in Ancient Egypt) are excluded from this course. Otherwise there are no restrictions on access.

Assessment: Essay 1, 30% Essay 2, 30% Examination, 40%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course looks at the architecture of Ancient Egyptian tombs and temples, and at the ideas and practices associated with them. Students will be expected to learn about different types of Egyptian temple, as well as specific temples such as the pyramids of Giza and the temples of Thebes. Particular emphasis will be put on how to use archaeological sites as a source for the study of Ancient Egypt, and on how to interpret archaeological sites in their social and historical context.

Course Co-ordinator: Dr William Manley

9CW7 ANCIENT EGYPTIAN TEXTS 1

Credits: 10 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Classes will be held weekly on Mondays at 14.00, and each will last 2 hours.

Co-requisites: None.

Excluded Courses: Students who have previously studied Course 2DF7 (Egyptology 2: Egyptian Hieroglyphic Monuments) are excluded from this course. Otherwise there are no restrictions on access.

Assessment: Translation exercises: week 6, 30% Translation exercises: week 10, 30% Examination: end of course, 40%

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: This course will look at the hieroglyphic monuments of Ancient Egypt, with particular emphasis on funerary inscriptions from the Middle Kingdom, c. 2100-1750 BC. Students will study hieroglyphic writing and the Ancient Egyptian language in order to read various funerary inscriptions. The course will also look at the social life and religion of Ancient Egyptians in order to explain these monuments. Particular emphasis will be put on using real monuments as primary sources for the study of Ancient Egypt.

Course Co-ordinator: Dr William Manley

9CX7 ANCIENT EGYPTIAN TEXTS 2

Credits: 10 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Classes will be held weekly on Mondays at 14.00, and each will last 2 hours.

Requirements of entry: Students enrolling for this course would normally have completed Course 9CW7 (Ancient Egyptian Texts 1).

Co-requisites: None.

Excluded Courses: Students who have previously studied Course 2DF7 (Egyptology 2: Egyptian Hieroglyphic Monuments) are excluded from this course.

Assessment: Translation exercises: week 6, 30% Translation exercises: week 10, 30% Examination: end of course, 40%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course builds upon skills and knowledge acquired in Ancient Egyptian 1. We will continue to look at and read the hieroglyphic monuments of Ancient Egypt, including funerary inscriptions and royal inscriptions.

Course Co-ordinator: Dr William Manley

2GA7 ART OF THE ITALIAN RENAISSANCE

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly meetings held on Tuesdays, 10.00-12.00.

Requirements of entry: None.

Assessment: Students will be asked to complete: (i) One short written presentation, 800-1000 words (20% of the final grade); (ii) One oral presentation, 5-10 minutes (20% of the final grade); (iii) One essay, 1500-2000 words (40% of final grade); (iv) One slide test (20% of final grade).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course provides a broad overview of the main strands of Italian art between c1400 and 1527. Focusing on the cities of Florence, Rome and Venice, the series of lectures will account for the development of art in these centres within the wider context of Italian politics, society and culture. Among the many themes highlighted are the role of patronage, the function of

works of art and buildings, the techniques and materials used, and Humanism and the revival of the classical tradition. The course as a whole offers an introduction to the discipline of Art History and provides a solid foundation for further study in the field.

Course Co-ordinator: Mrs Maureen Park

1MY7 CLASSICAL GREEK CIVILISATION (MODULE 1)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly meetings held on Mondays, 19.30-21.30.

Requirements of entry: None

Assessment: Assessment of students will be on a basis of 50% continuous assessment and 50% final examination at the end of each course. One essay on a historical topic (25% of final grade); one essay on a dramatic subject (25% of final grade); Formal final unseen exam - 2 hours - to involve comment on prescribed texts and essay questions (50% of final grade).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The Classical Greek Civilisation course is designed as two separate course, Modules 1 and 2. Ideally Module 1 is to be taken in the first year of study and Module 2 in the second year of study. However, both courses may be taken independently, or in reverse order provided the student who takes Module 2 first undertakes some additional background reading. The course will provide a solid foundation for study of the subject at a higher level, but it will also offer the opportunity for useful background study to those whose principal area of study lies elsewhere. The course is multi-disciplinary in character: history, literature, art and philosophy will all be studied. In all of these areas the contribution of Greece to the development of later Western culture has been immense. Study will be based on English translations of Classical Greek authors. Module 1 aims to assist students in developing: 1) A knowledge and understanding of Greek civilisation through the topics studied. 2) A deeper understanding of their own civilisation by understanding more about its origins. 3) Three key modes of study of the ancient world - archaeological, historical and literary and the skills of constructive criticism associated with them. 4) Skills that will be transferable by the students to other situations - namely careful reading; accurate, clear and perceptive essay writing; reasoned argument in writing and orally; visual sensitivity to architecture and art.

Course Co-ordinator: Dr William Manley

0NR7 CLINICAL, HEALTH AND DEVELOPMENTAL ASPECTS OF PSYCHOLOGY

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: 10 three hour sessions and one Saturday in semester 1. Tuesdays 18.00 - 21.00

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: One two hour examination consisting of three questions requiring essay-type answers at the end of the course. One essay of 1500-2000 words. A poster presentation, as part of a group.

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: (1) To introduce students to two major applications of Psychology. (2) To relate some of the themes to developmental factors. COURSE CONTENT Definitions of Abnormality; History of Abnormality; Classification of Mental Illness; Depression - theoretical explanations, aetiology and treatment; Schizophrenia; Personality Disorders; Stress; Anxiety and other common disorders - theoretical explanations, aetiology and treatment; Personality Types; Health Beliefs - models, issues and outcomes; Eating disorders; Stages of Development and their relevance to health-related issues.

Course Co-ordinator: Dr Victoria O'Donnell

0NS7 CONTROVERSIES OF THE SCOTTISH ENLIGHTENMENT

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly meetings held on Monday, 19.00-21.00.

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: A short essay of around 800 words should be submitted by students at the first meeting of the second semester (25% weighting). For the second piece of assessed work (75% weighting), students will have the choice of writing an essay of around 2,500 words to be submitted at the final meeting of the second semester, or taking a two hour traditional unseen examination at the end of the course.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to: 1. Define the main elements of the Enlightenment in Scotland and in general; 2. Present some ideas and controversies during the Enlightenment of Scotland; 3. Place these within the context of the needs of a transitional society and its ideology of improvement; 4. Give brief descriptions of the intellectual histories of the most notable men associated with these ideas and controversies; 5. Support participants to critically examine and analyse ideas in a historical context; 6. Assist them to develop a critical understanding of their own ideas of social transition; 7. Help them analyse and define various unfamiliar key concepts and doctrines; 8. Support them to study selected key writings from the relevant primary and secondary literature and help them resolve problems they have with eighteenth century vocabulary, literary style and argument; 9. Create a safe environment for participants to raise questions and engage in discussion and debate; 10. Guide participants through assessment and

submission requirements; 11. Give continuous positive feedback to every student's oral and written contributions; 12. Encourage students to form co-operative and supportive relationships.

Course Co-ordinator: Dr Robert Hamilton

5XJ7 DUTCH 17TH CENTURY PAINTING

Credits: 10 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: 10 meetings, Thursdays, 10.00-12.00. Note for 2005/06, this course will start on 19 January 2006 and finish on 23 March 2006.

Requirements of entry: None

Assessment: 1. Essay (approximately 1500 words) from a choice of titles (70%). 2. Slide test: identification and discussion of slides (30%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course sets Dutch seventeenth century painting in its historical context. Starting with a broad overview of the art of Late Mannerism, the course will go on to focus on the wide variety of art produced in the Netherlands in the 17th century. During this period the Dutch established themselves as a new nation in Europe, becoming the continent's wealthiest and most powerful maritime nation. An account of the development of artistic categories, such as portraiture, flower-pieces and still life painting, will be given. The course as a whole also offers an introduction to the discipline of Art History and provides a solid foundation for further study in the field.

Course Co-ordinator: Mrs Maureen Park

6HW7 EVOLUTION OF THE EARTH, LIFE AND ENVIRONMENTS

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly meetings on Wednesday from 19.30-21.30 plus 2 weekend field excursions.

Requirements of entry: A pass at grade D or better in the linked course (degree students only)

Excluded Courses: 1PE7 Geology and the Environment

Assessment: Class essays (15%); examination (30%); continuous assessment and practical work (25%); field report project (10%); map assessment (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to introduce students to: 1) effects of climate, time and long-term changes in the Earth's crust on surface processes; 2) the influence of these processes on the Human Race and its surroundings, particularly in the prediction of geological hazards; 3) the part many processes play in the accumulation of economically valuable deposits; 4) environmental models to predict patterns of change in the light of investigation of evidence for ancient environments and Earth History. 5) fossils, formation and preservation, characteristics of the principal groups relating form to function, ecology and evolution; how fossils are used in the correlation of rocks and their value in the interpretation of ancient environments; 6) principles of stratigraphical analysis and the ways in which geological history is reconstructed; 7) interpretation of geological maps; 8) Geological history of Britain and adjacent areas during the past 3500 million years.

Course Co-ordinator: Dr Michael Keen

1PJ7 FUNDAMENTALS OF PSYCHOLOGY

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: 25 evenings (Tuesday 19.00-21.00) and 6 Saturdays (10.00-16.00).

Requirements of entry: None

Assessment: Final Examination (45% weighting); Two Class Exams (10% weighting for each class exam); Completion of Laboratory Work and Reports (10% weighting); Two Essays of 1,500 words (10% weighting for each essay); Contribution to Class Discussion (5%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to: 1) Provide a basic understanding of how psychologists study human behaviour. 2) Give an introduction to the most significant concepts and findings of psychology. 3) Create a firm foundation for progressing into level 2 courses in Psychology.

Course Co-ordinator: Dr Victoria O'Donnell

9AY7 INTRODUCTION TO ANCIENT EGYPT 1

Credits: 10 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Classes will be held weekly on Wednesdays at 14.00, and each will last 2 hours.

Co-requisites: None.

Excluded Courses: Students who have previously studied Course 2DE7 (Egyptology 1: History & Society in Ancient Egypt) are excluded from this course. Otherwise there are no restrictions on access.

Assessment: Essay 1, 30% Essay 2, 30% Examination, 40%

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: This course covers the background necessary for students to read and write confidently about the history and social life of the Ancient Egyptians from earliest history until the New Kingdom, c. 3000-1500 BC. Students will learn about politics, religion and the rule of the pharaohs in Egypt at this time, and also about the wider history of the ancient world as revealed through Egypt's interaction with other nations.

Course Co-ordinator: Dr William Manley

9AZ7 INTRODUCTION TO ANCIENT EGYPT 2

Credits: 10 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Classes will be held weekly on Wednesdays at 14.00, and each will last 2 hours.

Requirements of entry: Students enrolling for this course would normally have completed course 9AY7 (Introduction to Ancient Egypt 1).

Co-requisites: None.

Excluded Courses: Students who have previously studied Course 2DE7 (Egyptology 1: History & Society in Ancient Egypt) are excluded from this course. Otherwise there are no restrictions on access.

Assessment: Essay 1, 30% Essay 2, 30% Examination, 40%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course builds upon skills and knowledge acquired in Introduction to Ancient Egypt 1. It covers the background necessary for students to read and write confidently about the history and social life of the Ancient Egyptians during the New Kingdom and after, c. 1500-600 BC. Students will be asked to learn about politics, religion and the rule of the pharaohs in Egypt at this time, and also about the wider history of the ancient world as revealed through Egypt's interaction with other nations.

Course Co-ordinator: Dr William Manley

8JT7 INTRODUCTION TO ART THERAPY

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Thursdays, 18.45-21.15, and four Saturday workshops. 26 meetings in total.

Assessment: Assessment of students will be on the basis of the following: (i) 800-1000 words Literature Review (15%) (ii) Oral Presentation of 10 minutes (20%) (iii) Critical Essay of 2000 words (25%) (iv) Personal Account of 3000 words (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to provide: i) A critical account of the theories, principles and practice of Art Therapy, ii) A basic introduction to the history and development of Art Therapy as a profession, (iii) offer skills and knowledge to individuals and professional who want to expand their understanding of working with people creatively and iv) A firm foundation for possible progression on the Postgraduate Diploma Training scheme recognised by the British Association of Art Therapists. Students should be aware that a significant part of the course is given to the hands on making of artwork. Students will be expected to take part in practical, experimental, directive and non-directive workshops, group discussions and feedback. There will be an opportunity to work with a range of different media i.e. paint, clay, collage. Emphasis is placed on peer group participation and exchange of personal knowledge through experience as a method essential to the process of learning.

Course Co-ordinator: Mrs Maureen Park

1PC7 INTRODUCTION TO ASTRONOMY (MODULE 1)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly meetings held on Thursdays 19.30-21.30.

Requirements of entry: None

Assessment: The final mark for each course is determined by a mix of continuous assessment and examination. For each course, this breaks down as follows: continuous assessment - four class tests (20%), two essays (20%), project report (20%) and final examination (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to assist students in developing: a) A knowledge of the appearance of the night sky and the objects seen in it, of modern ideas of their physical character and the means by which these have been arrived at, and of consequent world views, b) An ability to organise this knowledge in a coherent fashion, and to draw conclusions from it, using simple arithmetic where necessary; c) An awareness of how ideas and world views evolve from systematic observation, of how numbers enter into science, of the scale of the cosmos, and of the instructive beauty of the night sky; d) Skills that will be transferable by the students to other situation or areas of study: some mathematical skills at around school 'Standard' Grade, for instance using scientific notation, substituting values into algebraic expressions; concise and accurate writing about scientific ideas; systematic recording and interpretation of observations. Familiarise students with the appearance of the nightsky and its diurnal, annual and other changes; outline the evolution of ideas of the cosmos, from ancient Greece and Kelper and Newton; describe the means by which light is made to yield detailed information on distant objects, and review resulting knowledge of stars' gross characteristics.

Course Co-ordinator: Dr Alexander MacKinnon

6HX7 INTRODUCTION TO EVOLUTION, ECOLOGY AND CONSERVATION

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly meetings on Tuesdays 19.00-21.00 plus occasional study days and a weekend excursion.

Requirements of entry: No specific entry requirements are required but guidance is provided by DACE as to the suitability of individual applicants. Where it is felt necessary applicants will be advised to delay entry until they have completed a suitable preparatory course.

Excluded Courses: None

Assessment: Term 1: Report on study day 2 = 10%. Term 2 Project essay = 25%, Report of field course = 15%. Term 3 Written examination = 50%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aim of this course is to provide students with an understanding of how evolution and ecology may explain the diversity of life on Earth. This will allow students to appreciate the complexity of ecological systems and understand the objectives and practice of biological conservation. The specific aims are to: examine the evidence for evolution and the ways in which evolution occurs. Relate the sequence of the Earth's major evolutionary events and how this may explain the current distribution of organisms. Explain how life history strategies have evolved by natural selection. Examine factors that influence the energy expenditure of animals. Show how organisms interact with their physical and biological environment. Assess the importance of conserving biodiversity.

Course Co-ordinator: Dr Dominic McCafferty

1ND7 INTRODUCTION TO SCOTTISH LITERATURE: BURNS TO MACDIARMID

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: 25 meetings. Thursday 19.00-21.00

Requirements of entry: None

Assessment: Assessment of students will be on the basis of the following methods: i) Practical criticism of around 300 words (5% of final grade); ii) Practical criticism of around 500 words (10% of final grade); iii) One essay of around 1200 words (35% of final grade) and; iv) One examination based upon an unseen practical criticism and answers to 3 questions seen by students before hand to be completed in 2 hours (50% of final grade).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to assist students in developing: i) A knowledge and understanding of Scottish literature through the works studied; ii) A deeper understanding of Scottish identity by reading well known works as well as those which are currently being re-evaluated; iii) An awareness of the different literary strengths of four genres - poetry, the novel, the short story and drama - and the analytical skills by which these strengths can be articulated; iv) Skills which the students will be able to apply to other areas - precision reading; clear and perceptive oral and written analysis; accurate and reasoned essay writing; critical judgement.

Course Co-ordinator: Dr Paul Innes

8SK7 INTRODUCTION TO THE POLITICS, HISTORY & CULTURE OF MODERN GREECE (ONLY AVAILABLE IN 2005-2006)

Credits: 10 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: 8 x 2-hour classes in term three, Thursday 19.30-21.30

Assessment: One essay (100% weighting)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with an introduction to the most significant elements of the politics, history and culture of modern Greece.

Course Co-ordinator: Mr William Kane

8EW7 LATIN STAGE 1

Credits: 12 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Tuesday 19.30-21.30

Requirements of entry: None

Assessment: Assessment will be based on a series of written exercises completed at home (50%) and an examination which will include unseen translation at the end of the course (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to develop your reading knowledge of Latin together with translation skills. You will acquire a good basic vocabulary.

Course Co-ordinator: Dr Paul Innes

7NF7 MARINE BIOLOGY

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Asynchronous web conferencing and 6 day field course.

Requirements of entry: None

Assessment: Students will be assessed on the following: 1500 word essay (20% of final mark), a tutorial paper published on the web (20% of final mark), field course report (20% of final mark) and a field course practical exam and written test (40% of final mark)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this course is to familiarise students with the basic principles that rule life in the ocean and provide an understanding of the variety of marine ecosystems found throughout the world. The specific aims of the course are for students to: i) Examine the physical and chemical condition organisms experience in different oceanographic regions; ii) Understand the characteristics of biological life within a temporal and spatial framework; iii) Examine how marine organisms are adapted to the intertidal zone, the open ocean, the deep sea, coral reefs and polar seas; iv) Assess the state of the marine environment around Scotland.

Course Co-ordinator: Dr Dominic McCafferty

9EJ7 MARINE MAMMAL AND TURTLE BIOLOGY

Credits: 20 *Level:* 1

When Taught: June - September

Timetable: This is a residential field course over 12 days during mid July. Exact date to be confirmed due to availability of accommodation and research vessels.

Requirements of entry: None

Assessment: Class essay (20%); examination (40%); laboratory work (20%); and other coursework (20%).

Degree Examination taken in: August/September

Aims: The aim of this course is to provide students with a detailed knowledge of the biology of marine mammals and turtles. The specific aims of this course are for students to examine: the diversity of seals, cetaceans and marine turtles; the taxonomy, ecology and behaviour of marine mammals and turtles; and the conservation status of marine mammals and turtles and their interactions with humans. Additional educational aims are to develop practical skills through field and laboratory exercises and scientific understanding through discussion and written assessment.

Course Co-ordinator: Dr Dominic McCafferty

2DP7 NINETEENTH CENTURY PAINTING

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Wednesdays, 19.30-21.30. 24 meetings.

Requirements of entry: None

Assessment: Students will be asked to complete: (i) One short written presentation, 800-1000 words (20% of the final grade); (ii) One oral presentation, 5-10 minutes (20% of the final grade); (iii) One essay, 1500-2000 words (40% of the final grade); One slide test (20% of the final grade).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The nineteenth century saw a great artistic flowering, both in Britain and on the Continent. This course offers an overview of the main artistic developments, from the Romanticism of William Blake in the early years of the century to Post-Impressionism and the Symbolist movement at its close, and sets these developments within their general cultural and social contexts. The course has two principal aims: to initiate and develop response to paintings as works of art; and to see these paintings in historical terms i.e. within the developing tradition of painting as part of social history. The course as a whole offers an introduction to the discipline of Art History and provides a solid foundation for further study in the field.

Course Co-ordinator: Mrs Maureen Park

1AK7 PHILOSOPHICAL ETHICS OF SOCRATES, PLATO AND ARISTOTLE

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Wednesday 19.00-21.00

Assessment: Essay of 2,000 words (40% weighting). Exam of two hours (60% weighting).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To enable students to develop a grasp of the key ideas in the philosophical ethics of Socrates, Plato and Aristotle. (2) To acquaint students with Socratic dialogue and its definitional aims and aporetic conclusion in some of the early dialogues. (3) To introduce students to the distinctive ethical features of Plato's epistemology and metaphysics in the Symposium. (4) To develop an appreciation of Aristotle's ethics in the aims and methods of the Nicomachean Ethics.

Course Co-ordinator: Mr Keith Hammond

8LC7 PHILOSOPHIES OF THE IDEAL STATE

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly meetings on Tuesdays 19.00-21.00 + three seminar meetings.

Assessment: Each student will be assessed on the basis of the following: 1) A short essay (1200-1500 words) on Plato's Republic or Laws (20% of final mark). 2) A longer essay (2000 words) on their own chosen work from the History of Utopian Thought (30% of final mark) 3) Their contribution to the self-tutoring groups and projects (20% of final mark). 4) A short (1 1/2 hour) examination on the theoretical aspects of utopias (30% of final mark).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: 1) Provide students with an exciting and different approach to the study of political theory and the history of political thought; 2) Explore with the key texts in the field; 3) Introduce them to the key concepts in the field; 4) Conduct them through material which complements but does not duplicate that taught in Level 1 Politics and Philosophy classes; 5) Introduce them to university-based learning; 6) Enable them to utilise and build upon the skills and knowledge they bring from the 'real' world; 7) Provide support and information for those who choose to study towards a full-time degree course.

Course Co-ordinator: Mr Keith Hammond

9DT7 PHILOSOPHY AND EMOTION

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Mondays 19.00-21.00

Assessment: Essay of 2,000 words (40%). Examination of two hours; students will answer three questions (60%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To develop students' critical and analytical skills through reading of philosophical texts, discussion, essay-writing and examination. (2) To introduce students to the basic arguments in the philosophy of mind and moral psychology concerning: sensation, thought,

intentionality and action. (3) To present students with a range of philosophical perspectives on the nature of emotions - behaviourism to cognitivism. (4) To introduce students to different evaluations of emotions in different ethical theories.

Course Co-ordinator: Mr Keith Hammond

0QC7 POPULAR MUSIC STUDIES: AN INTRODUCTION

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: 12 x 2 hours meetings, Tuesday 18.00-20.00

Requirements of entry: None

Co-requisites: None

Excluded Courses: Students who have credit from 7NE7 Popular Music Culture will not be able to gain further credit from this course.

Assessment: One essay of up to 3,500 words (100%) based on the ILOs. The essay titles will be drawn up by the course tutor. There will also be scope for students to develop their own questions in order to pursue their particular interests (in consultation with the course tutor).

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: The overall aim of this course is to introduce students to Popular Music Studies as an academic discipline. Within this broad remit the course will aim more specifically: To introduce the nature of popular music and the role it plays within contemporary society and develop student understanding of this. To introduce the nature of the international popular music industries and develop student understanding of them. To introduce, and develop student understanding of the "politics" of popular music including popular music policy. To develop students' understanding of the importance of gender in popular music. To develop students' skills (including verbal and written) in the presentation of ideas about popular music. To encourage reflection about students' own use of popular music. To encourage critical engagement with key texts in Popular Music studies.

Course Co-ordinator: Dr Martin Cloonan

8RW7 SCOTLAND AND AMERICA: LINKS AND INFLUENCES 1790-1990

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: During 2005/06, this course will run in semester one only. Weekly meetings on Wednesdays, 10.00-13.00.

Assessment: Essay 1 (30% weighting) Essay 2 (30% weighting) Examination (40% weighting)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enable students to appreciate and to understand the long-established links between Scotland and the United States. To become aware of the diverse, overt and subtle Scottish influences operating within America. To appreciate the global tradition of interactive cultures as a feature of historical development rather than some recent change through this particular relationship. To introduce students to current scholarly debates and controversy in this area. To develop students critical and analytical skills through essays, source criticism, discussions and examination.

Course Co-ordinator: Dr Robert Hamilton

7NG7 SCOTTISH SOCIETY AND ECONOMY IN THE TWENTIETH CENTURY

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: During session 2005/06, this course will run for 16 classes, spread between semester one and semester two. Thursday evenings 18.30-21.30.

Requirements of entry: None

Assessment: This course will be assessed on: i) One essay of 1200 words (20% of final grade); ii) One extended essay of 1600 words (30% of final grade) and iii) One final three hour examination requiring three answers from a choice of 12 questions on topics known to the students beforehand, but different from the essay topics (50% of final grade).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to: i) Reach an understanding about the growth, development and decline of industry in Scotland and discuss and debate the causes of Scotland's economic collapse; ii) Identify the main forces of change within an industrial society; discuss and debate major themes in Scottish social history, including: the extent to which Scotland has a recognisable culture and identity; the myths and realities of 'Red Clydeside'; the notion that Scotland was a more intensely patriarchal society than the rest of Britain; the idea that Scotland was an anti-immigrant, racist and religiously intolerant society.

Course Co-ordinator: Dr Robert Hamilton

1NB7 THE ART OF THE 20TH CENTURY

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Thursdays, 19.30-21.30. 24 meetings.

Requirements of entry: None

Assessment: Students will be asked to complete: (i) One short written presentation, 800-1000 words (20% of the final grade); (ii) One oral presentation, 5-10 minutes (20% of the final grade); (iii) One essay, 1500-2000 words (40% of the final grade); One slide test (20% of the final grade).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The art of the twentieth century can be both exhilarating and intimidating. Often people feel they

would like to know more about it but are afraid that they will not be able to understand it or that they will be confused by all the different 'isms' of twentieth century movements. This course is all about understanding modern art. It aims to provide a general overview of some of the major movements, artists and ideas of twentieth century art and also introduces students to some of the important debates and controversies which surround the variety of art from the last century. The course as a whole offers an introduction to the discipline of Art History and provides a solid foundation for further study in the field.

Course Co-ordinator: Mrs Maureen Park

8WL7 THE LANGUAGE OF MUSIC 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Wednesdays 17.15-19.15. 25 meetings.

Requirements of entry: Knowledge of treble and bass clefs

Assessment: 3 equally weighted projects.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of the course is to give students the skills required to understand the technical processes used by a selection of mainstream classical composers of the common-practice period (c1600-c1900), and thus to comprehend the techniques employed in many other spheres of music, both classical and other, from different periods. The course will take students from the early stages of reading music notation and prepare them to work exercises in elementary harmony; work in that field is supported by essential ancillary work in aural perception, musical form and the music-historical context. The weekly working of graded exercises allows the student (a) to acquire accuracy and facility in writing music down, and (b) to cultivate understanding of how chords are formed and how they proceed from one to another. Students observe, from both their own progressively more ambitious attempts to imitate aspects of a piece of music and from their study of complete examples from the repertory, how a piece of music is constructed, how one section relates to another, how a tonal scheme operates over the course of an entire movement, and how thematic ideas grow and change.

Course Co-ordinator: Mr Stuart Campbell

5XP7 THE MODERN NOVEL

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Saturday 14.00-17.00.

Requirements of entry: None

Assessment: Three essays (each contributing 25% of the overall grade), plus an exam of two hours (weighted at 25% of the overall grade).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. To provide a detailed history of the novel in the twentieth century. 2. To present the novel within the overall context of literary historical movements in the last hundred years or so. 3. To promote study of the major principles and techniques of the different kinds of novelistic writing which have emerged since the 1890s.

Course Co-ordinator: Dr Paul Innes

8UM7 THE PSYCHOLOGY OF ADDICTIONS

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Monday 18.30-21.30

Requirements of entry: None

Assessment: Three essays. Essay 1, 25%; Essay 2, 25%; Essay 3, 50%. It is to the student's advantage to complete all three assessments. For the award of credit, a minimum of two essays (including essay 3) must be completed.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To examine a range of excessive activities linked to concepts of addiction (and, sometimes, to that of compulsion and attachment), including both substance - centred (e.g., drinking alcohol) and behavioural (e.g., sex or gambling). To review the theoretical systems devised to account for their development, the psychological and social problems arising from them and the theory, practice and outcomes of some of the "treatments" applied to them.

Course Co-ordinator: Dr Victoria O'Donnell

5XL7 WAR REFORMATION AND UNION: SCOTLAND 1500- 1715

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: During session 2005-06, this course will run in semester two only. Weekly meetings held on Wednesdays, 10.00-13.00.

Requirements of entry: None

Assessment: Students will be required to complete: i) an essay of 1500 words (30%), ii) a second essay of 1500 words (30%), iii) a two hour examination (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to introduce students to the major themes in the political, religious, military and international development of Scotland from the reign of James IV to the Jacobite War of 1715. It aims to provide a background to the Late Medieval period, and will assess the 'kingship' and rule of James IV to Mary Stewart, war and diplomacy with France and England, the impact of royal minorities, and the religious and political upheaval of the Reformation crisis. The focus is on the political and religious disruption of Scotland in the Reformation century. The focus of the seventeenth century begins with an examination of the union of 1603 and its origins, the Imperial Kingship of James VI and Charles I, the Covenanting movement, the Highland Problem, the British Civil Wars and relations with Ireland. In the second term the aim is to examine the

early attempts to create a British state and the opposition and problems such moves met. Finally the course aims to focus on the period 1688-1715 and examine the 'Glorious Revolution', the Jacobite threat, the origins of the Treaty of Union and its impact on Scotland. The course aims to provide a thorough preparation and foundation of knowledge and skills to enable students to proceed with confidence to further study at a more advanced level.

Course Co-ordinator: Dr Robert Hamilton

8TX7 DRAWING AND PAINTING: ADVANCED COMPOSITION

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Weekly meetings held on Thursdays, 13.00-16.00.

Requirements of entry: Students must have completed at least one Practical Art course at Level 1, or equivalent, and will be admitted at the discretion of the tutor.

Assessment: Coursework (40%); Assignment / sketchbooks (40%); Essay, 2000-2500 words (15%); Personal contribution to course (5%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This is a practical art course with a small art history component. The course is designed to develop the student's awareness of composition. Multiples, diptychs and triptychs have been used in the last 50 years with figures, patterns, rhythms, all as subjects of development in modern painting with its interest in the expressive use of the media. Students will produce practical work in two-dimensional media that demonstrates increasing perception of composition in their art. Students will also research the different ways in which modern artists have approached the structure of composition in their art. Students must have already completed one practical art course at level 1 or equivalent and will be admitted at the discretion of the tutor.

Course Co-ordinator: Mrs Maureen Park

8QBV PERSPECTIVES IN PSYCHOLOGY MODULE 1

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Weekly meetings held on Thursdays 18.30-20.30 + 5 Saturdays.

Requirements of entry: Students must have successfully completed the equivalent of at least Level 1 (university introductory level) Psychology e.g. 1PJ7 Fundamentals of Psychology.

Assessment: Module 1 - Summative Assessment i) Essay (25%) Four essays titles will be made available to the students at the beginning of the Module, one relating to each of the four perspectives explored. Students will be asked to choose one of the titles and submit a 1500 word essay on the chosen topic. ii) Practical Report (25%) One of the three Laboratory Practicals completed will be written up as a full-report of approximately 1500 words in length. iii) Final Exam (50%) One unseen three hour paper, held under normal examination conditions. The paper will comprise of four sections based on the course content and, including lecture and SDL materials. Each section will consist of four essay questions. Candidates will be required to attempt 4 essay questions, each one from a different section.

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: - to build on the foundations laid in Psychology Level 1, to broaden and deepen students' knowledge of the main areas and concepts in Psychology so that by the end of the course students are competent at summarising and discussing the theories and related empirical research of the perspectives highlighted. - help students, through an integrated programme of practical laboratory work and supporting lectures, to develop essential transferable skills such as designing experiments within the behavioural sciences and writing research reports. - complement the theoretical perspectives explored by providing students with the opportunity to investigate practical applications of the theory. - play a role in widening access to progression into an honours Psychology Degree Programme on a flexible part-time basis.

Course Co-ordinator: Dr Victoria O'Donnell

8TN7 PERSPECTIVES IN PSYCHOLOGY MODULE 2

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Weekly meetings held on Thursdays, 18.30-20.30 + 5 Saturdays.

Requirements of entry: Students must have successfully completed the equivalent of at least Level 1 (university introductory level) Psychology e.g. 1PJ7 Fundamentals of Psychology.

Assessment: Module 2 - Summative Assessment i) Essay (25%) Four essays titles will be made available to the students at the beginning of the Module, one relating to each of the four perspectives explored. Students will be asked to choose one of the titles and submit a 1500 word essay on the chosen topic. ii) Practical Report (25%) One of the three Laboratory Practicals completed will be written up as a full-report of approximately 1500 words in length. iii) Final Exam (50%) One unseen three hour paper, held under normal examination conditions. The paper will comprise of four sections based on the course content and, including lecture and SDL materials. Each section will consist of four essay questions. Candidates will be required to attempt 4 essay questions, each one from a different section.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: - to build on the foundations laid in Psychology Level 1, to broaden and deepen students' knowledge of the main areas and concepts in Psychology so that by the end of the course students are competent at summarising and discussing the theories and related empirical research of the perspectives highlighted. - to help students, through an integrated programme of practical

laboratory work and supporting lectures, to develop essential transferable skills such as designing experiments within the behavioural sciences and writing research reports. - to complement the theoretical perspectives explored by providing students with the opportunity to investigate practical applications of the theory. - to play a role in widening access to progression into an honours Psychology Degree Programme on a flexible part-time basis.

Course Co-ordinator: Dr Victoria O'Donnell

5XH7 TESTAMENT OF THE PHARAOHS 2

Credits: 30 *Level:* 2

When Taught: Full Session (September - June)

Timetable: 24 two hour meetings.

Requirements of entry: Intending students will preferably have gained the Award in Continuing Education (Egyptology). Normally the minimum requirement for an intending student would be to have completed either 2DF7 Egyptian Hieroglyphic Monuments, or 9CW7 Ancient Egyptian Texts 1 / 9CX7 Ancient Egyptian Texts 2 - and to have gained at least Grade D there in. However, evidence of equivalent prior knowledge may be acceptable.

Assessment: Students will normally be assessed on the following: i) To prepare annotated translations and transliterations of Ancient Egyptian texts with supporting materials in their own time (50% of final grade). ii) Write two essays of about 2000 words on a topic connected with the history and culture of 18th Dynasty Egypt, selected from a list of topics provided by the tutor (50% of final grade).

Aims: Students will be asked to improve their abilities in a range of skills gained at Level One appropriate for studying one of the most important, complex and controversial periods in the history of Ancient Egypt , i.e. the New Kingdom (c. 1539-1295). They should seek to improve their knowledge of the Egyptian language through studying royal inscriptions, which are amongst the most important texts to have survived from anywhere in the ancient world. In addition, students should seek to improve their understanding of pharaonic politics, religion and kingship, and to develop a wider awareness of the history of the ancient world as it is revealed through Egypt's interaction with other nations. Finally, they should gain a more mature understanding of the scholarship and the defining concepts of Egyptology, and the ability to engage critically with various important scholarly controversies.

Course Co-ordinator: Dr William Manley

8WM7 THE LANGUAGE OF MUSIC II

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Thursday evenings 17.15-19.15. 25 meetings.

Requirements of entry: A pass in Knowledge and Understanding of Music, Level I or in the Language of Music Level 1. Because of the nature of the subject, there may be candidates experienced in music who are capable of completing the course successfully, though they may not meet its formal requirements, entry in such cases is subject to a preliminary interview.

Assessment: Three projects of equal weighting.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of the course is to give students the skills required to understand and practise the technical processes used by a selection of mainstream classical composers of the common-practice period (c1600-c1900), and thus to comprehend the techniques employed in many other styles of music, both classical and other, from different periods. The course will take students substantially beyond the early stages of notational studies and elementary harmony covered in The Language of Music level 1. A structured course in harmony and counterpoint is now offered which covers classical harmony, 18th century fugal technique and 16th century contrapuntal technique. Work in that field is supported by essential ancillary work in aural perception, musical form and the music-historical context. The weekly working of graded exercises allows students (a) to acquire accuracy and facility in imitating the composers' procedures in harmony and counterpoint, and (b) to cultivate understanding of the techniques and features which constitute a particular musical style.

Course Co-ordinator: Mr Stuart Campbell

7EYV THE LEARNING SOCIETY: ADULT & CONTINUING EDUCATION 2

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 24 lectures/seminars on Tuesday 13.00-15.00 and Thursday 13.30-15.00 weekly.

Requirements of entry: A Grade D or above in an appropriate Level 1 course offered by the Faculty of Arts or Social Sciences (e.g. education, history, philosophy, sociology or social policy). Students are also encouraged to take the preceding Level 2 course.

Co-requisites: The Learning Society: Issues In Modern Education.

Assessment: One essay (40%) and two further pieces of work, each worth 30%, from a choice of: two essays; essay plus exam question; two exam questions (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to: a) introduce you to adult and continuing education as a field of study and practice b) promote your understanding of the theoretical and policy concerns being addressed by adult educators in the context of the 'learning society' c) develop your capacity for critical self-awareness and other skills which are helpful to 'lifelong learning'. Also see 8JJV under Educational Studies.

Course Co-ordinator: Dr Brian Findsen

9MEW NEW TECHNOLOGY AND LIFELONG LEARNING

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Face-to-face sessions to be arranged.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of this course are as follows: To provide a rationale for and an understanding of the use of new technology in support of lifelong learning; To consider the social, political and economic issues involved in the application of new technology in widening access to both formal and informal education; To provide an asynchronous forum in which to explore, discuss, examine and reflect on these issues within a computer conferencing environment; To enable students to gain experience of a variation in learning modes, particularly that of computer mediated collaborative learning, and to understand the role and significance of teaching and learning within a Computer Mediated Conferencing (CMC) environment; To familiarise students with the various technological options for electronically mediated education by providing practical opportunities to experience a range of technology and to examine the pedagogical benefits and challenges of each.

Course Co-ordinator: Dr Alexander MacKinnon

Archaeology

2KJU ARCHAEOLOGY 1X: INTRODUCTION TO ARCHAEOLOGICAL PRACTICE

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Tuesday and Thursday at 12.00 noon. Practicals, tutorials and computer-based learning classes are on Tuesday, Wednesday or Friday - 2.00 pm-4.00 pm. 24 hours of lectures; one all day Saturday field excursion; three hours of computer-based learning classes; six hours of laboratory practicals.

Assessment: One examination (75%); continuous assessment (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Introduces the methodology by which archaeologists recover and study material culture, and explains how scientific techniques assist in the study of the past.

Course Co-ordinator: Dr Rupert Housley

2KKU ARCHAEOLOGY 1Y: ARCHAEOLOGY OF SCOTLAND

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Two lectures a week (Tuesday/Thursday 12.00 noon), practical classes or seminars once a week (afternoon), 2 one-day classes.

Assessment: Examination (50%); coursework (50%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of this course are to introduce a substantial body of knowledge which will provide an understanding of the cultural evolution of Scotland from the end of the last Ice Age until the modern era. It covers material which will enrich the understanding of all aspects of the history and culture of Scotland.

Course Co-ordinator: Prof Stephen Driscoll

2LDU ARCHAEOLOGY 1Z: ARCHAEOLOGY IN CONTEMPORARY SOCIETY

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures - Monday and Friday 12.00 noon. Practicals, tutorials and seminars - one hour per week on Tuesday, Wednesday, Thursday or Friday afternoons at times to be arranged.

Assessment: One examination paper (50%); one assessed essay (25%); plus practical worksheets (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To illustrate the ways in which archaeologists interpret material culture to reveal the past; to illustrate the use of archaeology in promoting particular social and political views of the past. By the end of the course, students will understand the relevance of archaeology to contemporary society and the issues involved in the preservation and interpretation of the past.

Course Co-ordinator: Dr Jeremy Huggett

0AKV ARCHAEOLOGY 2F : FIELD ARCHAEOLOGY IN THEORY

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: This course consists of 12 x 1 hour lectures (Mondays 12 to 1pm) with tutorials and some classroom practicals.

Requirements of entry: Two Archaeology level 1 courses at grade D or above. This course is the equivalent of the first half of Archaeology 2G : Field Archaeology in Theory & Practice and does not allow the student to proceed to Honours Archaeology (3H). Those wishing to do so should register for the full course Archaeology 2G : Field Archaeology in Theory & Practice (9CRV).

Assessment: Coursework (100%)

Aims: The aims of this course are: (1) to provide students with an introduction to the historiography of field archaeology; (2) to examine a series of key developments in field techniques through the medium of selected sites and excavators; (3) to introduce the structures and organisation of field archaeology.

Course Co-ordinator: Dr Allan Hall

9CRV ARCHAEOLOGY 2G : FIELD ARCHAEOLOGY IN THEORY & PRACTICE 2

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: The first part of the course (semester 1) consists of 12 x 1 hour lectures (Mondays 12 to 1pm) with tutorials and some classroom practicals. The second part (semester 2) consists of the equivalent of a total of 30 hours of practicals taught over 12 weeks (the number of hours per week may vary).

Requirements of entry: Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H). This course (9CRV) is a requirement for entry to Honours (3H).

Assessment: Coursework (100%)

Aims: The aims of this course are: (1) to provide students with an introduction to the historiography of field archaeology; (2) to examine a series of key developments in field techniques through the medium of selected sites and excavators; (3) to introduce the structures and organisation of field archaeology; (4) to introduce students through practical experience to basic fieldwork methods and laboratory techniques used in archaeology.

Course Co-ordinator: Dr Allan Hall

0AJV ARCHAEOLOGY 2H : ANALYTICAL ARCHAEOLOGY

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures Weds & Fri 12 to 1pm; plus 6 tutorials

Requirements of entry: Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H)

Excluded Courses: This course is for students in the Science Faculty and cannot be taken in conjunction with Archaeology 2K: Interpreting Archaeology.

Assessment: one examination (50%); coursework (50%)

Aims: (1) to introduce students to the key developments in archaeological thought; (2) to show how interpretations are grounded in particular theoretical perspectives; (3) to provide students with a scientific perspective on archaeological data and their interpretation; (4) to train students in transferable as well as more specifically archaeological skills.

Course Co-ordinator: Dr Richard Jones

9ZAV ARCHAEOLOGY 2J : ARCHAEOLOGY OF EUROPE & THE MEDITERRANEAN

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures Weds & Fri 12 to 1pm; plus 6 tutorials

Requirements of entry: Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims: (1) to introduce students to the key themes of European and Mediterranean archaeology; (2) to situate these themes in a broad regional and chronological framework; (3) to train students in transferable as well as more specifically archaeological skills; (4) to provide an archaeological framework for other level 2 courses.

Course Co-ordinator: Dr Kenneth Brophy

9CSV ARCHAEOLOGY 2K : INTERPRETING ARCHAEOLOGY

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures Weds & Fri 12 to 1pm; plus 6 tutorials (in semester 2)

Requirements of entry: Two Archaeology level 1 courses at grade D or above, one of which must be Introduction to Archaeological Practice (2KJU) if the student intends to proceed to Honours (3H)

Excluded Courses: This course is not available for students in the Science Faculty and cannot be taken in conjunction with Archaeology 2H: Analytical Archaeology.

Assessment: one examination (50%); coursework (50%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of this course are: (1) to provide students with an introduction to the key developments in archaeological thought; (2) to introduce students to a series of key themes in contemporary archaeological practice; (3) to examine the relationship between archaeological data and current interpretative stances.

Course Co-ordinator: Dr Nyree Finlay

6WXW ARCHAEOLOGICAL STUDIES 3

Credits: 80 *Level:* 3

When Taught: Full Session (September - June)

Timetable: There are typically four lectures and up to six hours of practical/tutorials weekly throughout the session. Students take 2 out of 3 core courses plus 3 other taught courses (see Archaeology 3H for details). At Easter, there is a required one-week field course. During the vacation between 2nd and 3rd year, the fieldwork requirement must be fulfilled.

Requirements of entry: At level 1 students must obtain a minimum of 40 credits in Archaeology at an average of grade D or above. At level 2 students must obtain a minimum of 60 credits in Archaeology at an average of grade D or above.

Assessment: As for the Honours courses involved: coursework and (usually) written exam; field course 1500 word essay.

Degree Examination taken in: May/June

Aims: The aims of the course are: (1) to equip the student with a basic knowledge of archaeology suitable to a career where the specialism is a subsidiary, or 'interest only' requirement, through a broad overview of modern archaeology across a wide chronological and geographical range; (2) to provide the student with an appreciation of cultural resources, and the importance of issues such as their protection, conservation and appropriate exploration.

Course Co-ordinator: Dr Peter Van Dommelen

100D ARCHAEOLOGY 3 (ARTS)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Four lectures and up to six hours practicals/tutorials weekly that are taught throughout session. Students take one core course (either Recovery of Archaeological Data or Interpretion & Analysis of Archaeological Data); three other taught courses (in consultation with either Dr P van Dommelen or Dr R Jones) which as far as possible will focus on a student's area of specialisation where one is defined (see Archaeology 3H for details); and will have completed 3 weeks of fieldwork by graduation. It is expected that students will have completed the fieldwork requirement prior to entering Level 3.

Requirements of entry: At Level 1, students must obtain a minimum of 40 credits in Archaeology at an average of grade D or above. At Level 2, students must obtain a minimum of 40 credits in Archaeology at an average of grade D or above.

Assessment: As for the Honours courses involved: assessment of coursework and (usually) written examination. The degree examination will be held in May/June. This varies according to the Honours courses selected by the student.

Degree Examination taken in: May/June

Aims: The aims of this course are: to equip the student with a basic knowledge of archaeology suitable to a career where the specialism is a subsidiary or 'interest only' requirement, through a broad overview of modern archaeology across a wide chronological and geographical range; to provide the student with an appreciation of cultural resources, and the importance of issues such as their protection, conservation and appropriate exploration.

Course Co-ordinator: Dr Peter Van Dommelen

100F ARCHAEOLOGY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: 40 archaeology credits at Level 1, which must include Archaeological Practice, and 60 credits at Level 2 made up of the Archaeology of Europe and the Mediterranean, Field Archaeology in Theory and Practice, and EITHER Interpreting Archaeology (Arts students) OR Analytical Archaeology (Science students); completion of 3 weeks approved fieldwork (which may be the acquired by attending the Departmental Field School which runs in the summer vacation each year); attendance at a University IT course.

Assessment: Assessed course work and (usually) written examination taken in the same year as the course.

Degree Examination taken in: May/June

Aims: The aim of the course is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

Honours Course Prescription: Students take 4 courses (3 of which are core courses - see Archaeology 3H Single for details) and a field work/field course report (1 course).

Course Co-ordinator: Dr Allan Hall

100H ARCHAEOLOGY 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: 40 archaeology credits at Level 1, which must include Archaeological Practice, and 60 credits at Level 2 made up of the Archaeology of Europe and the Mediterranean, Field Archaeology in Theory and Practice, and EITHER Interpreting Archaeology (Arts students) OR Analytical Archaeology (Science students); completion of 3 weeks approved fieldwork (which may be the acquired by attending the Departmental Field School which runs in the summer vacation each year); attendance at a University IT course.

Assessment: Assessed course work and (usually) written examination taken in the same year as the course.

Degree Examination taken in: May/June

Aims: The aim of the course is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

Honours Course Prescription: Students take 3 core courses - Interpretation and Analysis of Archaeological Data; Archaeological Theory and Recovery of Archaeological Data - and 2 other taught courses from the list below (not all on offer every year), plus a fieldwork/fieldcourse report (1 course), and a practical work portfolio (2 courses). Taught courses include: Interpretation and Analysis of Archaeological Ceramics; Analysis of Archaeological Materials; Archaeometallurgy; Approaches to Wetland Archaeology; Archaeobotany and Palaeoecology; Archaeology and Material Culture; Archaeology of Life and Death; Aspects of the British Neolithic; Archaeology of Prehistoric Cyprus; Ceramic Production; Computer Based Data Management in Archaeology; Computer Based Graphical Analysis in Archaeology; Culture Contact & State Formation: The Central Mediterranean in late Prehistory; Development of Greek and Roman Coinage; Early Medieval Gaeldom: Scotland and Ireland, c400-c850; Founding of Scotland; English Medieval Archaeology AD450-1300; Expansion and Control of the Roman Empire; Geoarchaeology; Landscape Archaeologies past and present; Medieval

Ireland (800-1100); Norse in the North Atlantic Region; Post-Roman Celtic Britain; The Picts and formation of Alba; Prehistoric Archaeology of the Mediterranean from Gibraltar to the Levant; Production and Trade in the Ancient Mediterranean World; Provinces of the Roman Empire; Roman Britain: Acculturation and Change; Roman Conquest of Britain; Rural Settlement, Society and Landscape in Scotland, c1100-c1700 AD; Scientific Dating Methods in Archaeology; Settlement and Society in Scandinavian Scotland; Settlement and Landscape in Scottish Gaeldom,1750-1850; Viking Age Scandinavia; Viking Movements; Celts, Oppida and Princely Graves: Iron Age Societies in South-Western Europe; Historical Archaeology: Material and Methodological Contributions to American Studies.

Course Co-ordinator: Dr Allan Hall

100G ARCHAEOLOGY 4H (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Satisfactory performance at level 3H

Assessment: Assessed course work and (usually) written examination taken in the same year as the course.

Degree Examination taken in: May/June

Aims: The aim of the course is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

Honours Course Prescription: Students take 4 courses selected from two groups, (see Archaeology 3H for details); a dissertation may be substituted in place of 2 courses.

Course Co-ordinator: Dr Richard Jones

100J ARCHAEOLOGY 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Satisfactory performance at level 3H

Assessment: Assessed course work and (usually) written examination taken in the same year as the course.

Degree Examination taken in: May/June

Aims: The aim of the course is to provide a basic grounding in the theoretical background and methodological techniques of modern archaeology, and demonstrate their application across a wide chronological and geographical range.

Honours Course Prescription: Students take 5 taught courses (not all on offer every year) and a dissertation (worth 3 courses) - see Archaeology 3H for details of taught courses

Course Co-ordinator: Dr Richard Jones

Biomedical and Life Sciences

6KDU BIOLOGY 1X

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: 9 am, 2 pm and 5 pm on Monday, Tuesday, Wednesday and Thursday each week (each student only attends one lecture per day), and occasional Fridays. Laboratories: Tuesday, Wednesday, Thursday and Friday morning and afternoons as required by course numbers (each student only attends one laboratory session per week).

Assessment: A 2-hour degree examination at the end of the course, which counts as 50%; assessment of coursework, which counts as 50%. For the resit examination, the degree examination component is increased to 70% and the coursework component is reduced to 30%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide a broad-based understanding of modern biology in those areas selected for study; to provide the knowledge appropriate for continuing studies in biological subjects; to encourage the acquisition of general scientific skills relating to the systematic assembly, critical analysis, interpretation and discussion of factual information and data; to encourage a positive and inquisitive attitude to the personal investigation of science; to obtain an overview of the basic concepts of Biology at the molecular level and to experience the range of Biological subjects in which Glasgow offers Honours degrees and so be able to make informed choices for Level-2 courses.

Course Co-ordinator: Prof Michael Blatt

6KEU BIOLOGY 1Y

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures 9am, 2pm, and 5pm on Monday, Tuesday, Wednesday and Thursday each week (each student only attends one lecture per day) and occasional Fridays. Laboratories: Tuesday, Wednesday, Thursday and Friday morning and afternoons as required by course numbers (each student only attends one Laboratory session per week).

Assessment: A 2-hour degree examination at the end of the course, which counts as 50%; assessment of coursework, which counts as 50%. For the resit examination, the degree examination component is increased to 70% and the coursework component is reduced to 30%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a broad-based understanding of the organismal side of Biology; to provide the knowledge appropriate for continuing studies in biological subjects; to encourage the acquisition of general scientific skills relating to the systematic assembly, critical analysis, interpretation and discussion of factual information and data; to encourage a positive and inquisitive attitude to the personal investigation of science; to obtain an overview of the basic concepts of Biology at the

whole organism and population level and to experience the range of Biological subjects in which Glasgow offers Honours degrees and so be able to make informed choices for Level-2 courses.

Course Co-ordinator: Dr Douglas Neil

5KYV ANIMAL DIVERSITY 2 (4a)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 20 Lectures Wed, Fri 11 am-12 noon. Two laboratories and tutorials.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A one-hour objective degree examination at the end of the course which counts as 50% of the final assessment. Assessment of course work which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: survey the variety of animal life, from protozoa to mammals, with an emphasis on the evolutionary forces that have created this diversity; demonstrate the fundamental unity of animal life, in terms of the mechanisms that organise body plans; illustrate the adaptations of animals to different lifestyles in different habitats; examine the causes of mass extinctions and new waves of adaptive radiation, and to analyse the interactions of human beings with other animals.

Course Co-ordinator: Prof David Houston

1LAP BASIC GENETICS 2 (1A)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 20 lectures, two laboratories and optional tutorials. Lectures are on Mondays and Wednesdays at 9.00 am or 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: present the principles of eukaryotic transmission genetics and their applications in genetic analysis; describe the nature of the gene and to show how genes function in development and affect the phenotype of the organism; enable students to appreciate the role of genetics in the study of many fields of biology.

Course Co-ordinator: Dr Richard Wilson

3YAV BIOLOGICAL CLOCKS 2 (11a)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures Tuesday and Thursday at 11.00 am; group project.

Requirements of entry: None.

Assessment: A 50 minute class test of objective questions in November (40%); a group project (35%); 'take-home' problems (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enable students to appreciate a biological phenomenon across the spectrum of biology from the molecular to the behavioural viewpoint; to encourage students, in addition to learning factual information, to work effectively within in a group and to communicate with clarity; to introduce students to the human relevance and commercial applications of the study of biological rhythms.

Course Co-ordinator: Prof Ailsa Campbell

1MFP BIOMETRICS (14b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 18 lectures, three 2-hour practicals, two 1-hour practicals and twelve hours of self-directed learning. Lectures on Monday and Tuesday at 5.00 pm.

Requirements of entry: None

Excluded Courses: Any Level 1 Statistics course

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: introduce basic techniques for the collection and presentation of data; introduce some simple models for data; introduce some basic concepts in statistical inference.

Course Co-ordinator: Prof Adrian Bowman

1LBP CELLS: STRUCTURE AND FUNCTION (2a)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 19 lectures, one surgery session, and one 3-hour laboratory. Lectures: Monday and Wednesday 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour end of course examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: describe how cells are studied; provide knowledge of the basic structure of plant and animal cells; provide an introduction to the structure and function of cells which prepares students for further studies in cellular, molecular and organismal biology.

Course Co-ordinator: Dr Geoffrey Moores

3YDV CONSERVATION BIOLOGY 2 (17b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 17 lectures with associated field and project work. Lectures: Tuesday and Thursday at 11.00 am. Field work in the second or third week of semester 2.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade. (For students on the Environmental Design degree, normally a grade D in Environmental Science 1).

Assessment: A 1-hour degree examination, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Outline the main threats to wild plants, animals and habitats; discuss why conservation is necessary and important; outline the biological bases of conservation practice; illustrate conservation-in-action by means of detailed case studies.

Course Co-ordinator: Dr William Barnes

1MCP DEVELOPMENT: CELLS, MOLECULES AND GENES (12b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 22 lectures and two laboratories. Lectures Tuesday at 4.00pm and Friday at 2.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: provide a basic understanding of the development of animals and plants; describe the major processes involved in development; provide an introduction to development of animals and plants which prepares students for further studies of development at the molecular, cellular, and organismal levels.

Course Co-ordinator: Dr Geoffrey Moores

1LWP DRUGS AND DISEASE 2 (7B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 19 lectures and 1 laboratory. Lectures are on Monday and Wednesday at 9.00 am or 12.00 noon.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective-question degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: introduce the principles of pharmacology; describe the effects, mechanisms of action and clinical uses of drugs; outline the processes of drug development.

Course Co-ordinator: Prof William Martin

1LHP ECOLOGY 2 (8A)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 20 lectures with associated field work. Lectures on Tuesday and Thursday at 12.00 noon. Field work normally takes place on a Saturday or Sunday in October.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade. (For students on the Environmental Design degree, normally a grade D in Environmental Science 1).

Assessment: A 1-hour multiple-choice degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: provide a basic understanding of the interactions which control the distribution and abundance of animals and plants as species, populations and communities.

Course Co-ordinator: Prof Robert Furness

1LTP ENERGY METABOLISM 2 (6B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 18 lectures, two laboratories plus a post lab and tutorial. Lectures Thursday and Friday at 9.00 am or 12.00 noon.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are to: show how a variety of organisms utilise carbohydrate and other compounds to carry on their life processes; describe and understand the crucial role of membranes and the hydrogen ion gradient in the generation of energy rich compounds; present the biochemical pathways which are involved in building up and breaking down macromolecules involved in living processes (metabolism); describe how energy is captured and used by a variety of organisms, with some emphasis on control of metabolism during exercise.

Course Co-ordinator: Dr D Leader

1LMP EVOLUTIONARY BIOLOGY 2 (2B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 19 lectures, two laboratories and optional tutorials. Lectures are Wednesday and Thursday at 5.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade. Also, students must normally have completed the Basic Genetics course.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: show how current studies of genetic variation and taxonomy can be integrated to provide new insights into evolution, population biology and biodiversity; introduce the methods used in reconstructing evolutionary trees, and discuss the role of phylogenies in understanding evolutionary processes; describe and interpret macroevolutionary processes.

Course Co-ordinator: Dr Richard Wilson

0DRV EXERCISE SCIENCE 2 (18B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures at 11am Monday and 9am Tuesday, 2 practicals, 19 lectures

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Aims: The overall aims of the course are to: (1) expand the students' understanding of physiology in active humans (2) expand the students' understanding of physical activity, well being and health (3) allow students to study science in the context of sports performance

Course Co-ordinator: Dr Jason Gill

0XWV EXTREME BIOLOGY 2 (15B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesdays 12-13 and Wednesday 10-11

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To create an understanding of how key biological processes can be modulated to function in extreme conditions and where the limits are; to offer a fully integrated view of biology; to provide the chance for independent investigation.

Course Co-ordinator: Dr Anna Amtmann

1LGP HUMAN FORM AND FUNCTION 2 (7A)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 19 lectures, three practicals. Lectures Tuesday and Thursday 9.00 am or 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour multiple-choice examination at the end of the course which counts as 50% of the final assessment. Assessment of course work: which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: introduce students primarily to gross topographical aspects of the human body stressing the interactions between structural and functional characteristics; to provide knowledge of those features of the basic body plan which have been uniquely adapted in humans including prehension, the erect gait and aspects of human speech; to provide an introduction to human form and function which prepares students for further study of Human Anatomy.

Course Co-ordinator: Dr Robert Smith

1LXP HUMAN TISSUES IN HEALTH AND DISEASE (8b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 18 lectures, two practicals and one tutorial. Lectures Thursday and Friday at 9.00 am or 12 noon.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective-question degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: introduce students primarily to microanatomical aspects of human tissues; stress the interactions between structural and functional characteristics; assess the changes resulting from disease processes in the light of tissue form in health.

Course Co-ordinator: Dr Robert Smith

7NWV IMMUNOLOGY 2

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Two 1-hour Lectures per week (repeated if required). One class test (in a lecture slot).

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: Class Test 25%, Essay 25%, Degree Exam 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: 1. To introduce students to the immune system, how it distinguishes self from non-self and responds appropriately. 2. To promote an appreciation of the consequences of perturbations in immune function in the context of infectious disease, autoimmunity, allergy and transplantation. 3. To explain the importance of the immune system and how it can be usefully manipulated e.g. immunotherapy or vaccination.

Course Co-ordinator: Prof Paul Garside

1LNP INFECTION AND IMMUNITY 2 (3B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 20 lectures. Lectures Monday and Wednesday at 1.00pm or 4.00pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour (objective questions) degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To consider selected examples of bacterial, parasite, viral and fungal pathogens, and prions, in order to develop an understanding of: 1. how these agents infect their hosts, 2. how they evade or subvert the innate and acquired defences of the host immune system, 3. how they cause disease, 4. how they can be controlled, 5. how the immune system can be manipulated by vaccines, where appropriate, to establish immunity in advance of infection.

Course Co-ordinator: Dr Roger Parton

1LJP MICROORGANISMS 2 (9A)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 20 lectures and one tutorial. Lectures Wednesday and Friday at 12.00 noon.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour multiple-choice degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: highlight the unique aspects of microorganisms and their diversity; provide an introduction to the beneficial and detrimental activities of microorganisms; provide a broad-based introduction to microbiology which prepares students for further studies in the subject.

Course Co-ordinator: Dr John Coote

1LLP MOLECULAR GENETICS 2 (1B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 20 lectures, two practicals and optional tutorials. Lectures Thursday and Friday at 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: develop the theme of the molecular nature of the gene and its application in the study of microbial genetics; describe the nature of eukaryotic genome organisation and the role of genes in development; demonstrate the principles of recombinant DNA technology, and its use in medical genetic research.

Course Co-ordinator: Dr Kevin O'Dell

0ZXV NEUROSCIENCE & BEHAVIOUR 2 (10A)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 18 lectures, one poster session and a practical. Lectures Tuesday and Thursday 12.00 noon or 5.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective-question degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Aims: The goal of Neuroscience is to understand the workings of the nervous system - from single nerve cells and the relatively simple networks producing reflex responses to the more complex systems responsible for sensory perception, movement, and the mental processes of memory and behaviour. The goal of behavioural biology is to understand why animals behave as they do, in terms of the underlying mechanisms that control behaviour, the process by which the behaviour of adult animals develops, the functions that behaviour serves and how behaviour has changed during evolutionary history. The aim of this course is to provide an introductory account of current understanding of: how nerve cells communicate with one another; the structural and functional specialisation of neurones, the basic building blocks of the nervous system. How neurones signal using electrical signals and how these are communicated from one neurone to another by chemical signals; how different patterns of neuronal interconnections give rise to different functions; how neurones in different parts of the nervous system are arranged and connected together to form reflex circuits, sensory systems, motor systems, and to generate memory; how nervous systems have evolved greater complexity of structure and function; how simple nervous systems generate behaviour; the differences in brain structure among vertebrate animals and the implications of these differences for behaviour; how complex behavioural responses arise and the functions they serve; how genes and experience interact during development to determine the behaviour of adult animals; how an evolutionary approach can help us to understand why animals behave as they do.

Course Co-ordinator: Dr John Riddell

1LFP NUCLEIC ACIDS: STRUCTURE AND FUNCTION (6a)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 19 lectures, two laboratories, a post-lab session and tutorial. Lectures Monday at 12.00 noon or 5.00 pm, and Friday at 9.00 am or 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work: which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: provide an introduction to the structure and function of nucleic acids; prepare students for further studies in biochemistry, genetics and molecular biology; provide practical experience of modern methods for the analysis of DNA.

Course Co-ordinator: Dr Russell Thompson

2KXP PHYSICAL PRINCIPLES OF BIOLOGICAL PROCESSES (16b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 20 lectures, five x 1-hour practicals. Lectures: Thursday and Friday at 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts for 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are: to show that different static positions of the body, and the stances of animals, are subject to forces which require specific muscular action; to demonstrate that the different sizes of living organisms subject the tissues to different stresses and strains, and that there are important consequences for the forms and the movements of animals and plants depending on whether they are large or small; to discuss the different types of motion exhibited by animals on land, in water and in the air; to be familiar with elementary thermodynamic concepts relating to free energy and energy transformation processes; to understand the importance of diffusion and the implications for organisms of the much higher diffusion rates of gases in air than in water; to recognise that different mechanisms exist for the transfer of heat and understand how animals control their body temperature in air and water.

Course Co-ordinator: Dr Richard St Denis

1LCP PHYSIOLOGICAL SYSTEMS I (3a)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 19 lectures, one practical. Lectures Tuesday and Thursday at 9.00 am or 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective (multiple-choice) degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: provide knowledge of human and mammalian cardiovascular, respiratory and exercise physiology; provide an introduction to the physiology of these systems which prepares students for further studies in physiology.

Course Co-ordinator: Dr David Miller

1LPP PHYSIOLOGICAL SYSTEMS II (4b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 20 lectures, two practicals and tutorials/problem-based learning/computer-aided learning. Lectures Monday and Wednesday 9.00 am or 12.00 noon.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective-question degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to enhance the students' understanding of: the digestion and intestinal absorption of fluid and nutrients; renal and hepatic excretion; the hormonal control of these and other physiological processes; physiology as an experimental science.

Course Co-ordinator: Dr Michael Lucas

4HFV PLANT SCIENCE: FOOD AND FAMINE 2 (5b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 17 lectures, one laboratory and one tutorial. Lectures Monday and Thursday at 10.00 am.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: show how the growth and development of plants are regulated by their environment; describe the role of internal regulators and differential gene expression in these control processes; show how food production from plants is affected by biotic and abiotic stress factors; discuss the role of plant breeding and genetic engineering in maintaining and improving food production in a changing global environment.

Course Co-ordinator: Dr Christopher Brett

5LAV PLANTS, POLLUTION AND GLOBAL CHANGE 2 (12a)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 14 Lectures: Weeks 1-8, Tuesday 10.00 am and Thursday 10.00 am.Tutorials: Weeks 7-12, to be arranged.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade. (For students on the Environmental Design degree, normally a grade D in Environmental Science 1).

Assessment: A one-hour degree examination at the end of the course (50%); Coursework assessment: (50%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: understand the complex interactions between plants and animals, principally humans, at different levels of ecological organisation; understand the impacts of global-scale changes (eg. global warming, pollution, eutrophication) on plant animal interactions.

Course Co-ordinator: Dr Peter Dominy

7NXV PRACTICAL MICROBIOLOGY 2 (11B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 12 lectures and 12 laboratories (includes tutorials). Lectures are on Fridays at 10.00 am. Laboratories are Wednesday or Thursday or Friday afternoons.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective question degree examination at the end of the course, which counts as 50% of the final assessment. Contributions from course work, summing to 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: provide a broad-based introduction to practical and applied aspects of microbiology; highlight the industrial and economic impact of microbiology.

Course Co-ordinator: Dr Robert Aitken

1LEP PROTEINS: STRUCTURE AND FUNCTION (5a)

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 18 lectures, two laboratories plus one post lab session and a tutorial. Lectures Monday at 12.00 noon or 5.00 pm, and Friday at 9.00 am or 1.00 pm.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aims of the course are to present an introductory account of: the structure of proteins, showing how structure is determined experimentally, how it emerges from chemical composition, how it influences function, and how an understanding of structure underlies methods used to separate proteins; the assay, the kinetic properties, the specificity and the basis of the catalytic power of enzymes, to describe how enzymes are regulated, the effect of inhibitors and the role of coenzymes and prosthetic groups in enzyme catalysed reactions, and to illustrate medical and biotechnological aspects of enzymes; receptors and receptor signalling, showing how ligand binding can induce conformational and functional changes in the receptor molecule.

Course Co-ordinator: Dr Maureen Griffiths

1LYP REPRODUCTION AND THE EMBRYO (9b)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 19 lectures, and one practical. Lectures Wednesday and Friday at 11.00 am.

Requirements of entry: Normally, an overall average of grade D (grade-point average of 10) in the Level-1 Biology courses and EITHER Chemistry-1 OR Science Fundamentals-1X and -1Y at D grade.

Assessment: A 1-hour objective-question degree examination at the end of the course, which counts as 50% of the final assessment. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: introduce students to the physiology, anatomy and biochemistry of mammalian reproduction; gain an understanding of the developing embryo.

Course Co-ordinator: Dr Sarah MacKay

7NYV SCIENCE COMMUNICATION & COMMERCE 2 (13B)

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 10 lectures and six 2-hour group sessions. Lectures Tuesday at 10.00 am.

Requirements of entry: None

Assessment: A one-hour degree examination at the end of the course, which counts as 50%. Assessment of course work, which counts as 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The overall aims of the course are to: survey the social and political context in which scientists operate; provide students with skills in accessing the relevant scientific databases; enable students to improve their skills in written and oral communication of scientific material to audiences of different types.

Course Co-ordinator: Prof Ailsa Campbell

500H ANATOMY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratory work, tutorials and seminars.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Physiological Systems-I 2; Human Form & Function 2; Drugs & Disease 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Two 3-hour degree examinations (60%); classwork (40%). Oral at discretion of external examiner.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad-based knowledge and understanding of Anatomy which is appropriate for the further study of Anatomy at the final year Honours level or for employment as a BSc Ordinary graduate in a wide range of employment; to provide you with basic practical skills and an introduction to laboratory techniques in Anatomy; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to introduce you to the use of computers in Anatomy.

Honours Course Prescription: Integrated Human; CNS; Molecular Biological Techniques; Mammalian Development; Head & Neck; Upper Limb; Cell Biology; Statistics.

Course Co-ordinator: Prof Anthony Payne

5ACW ANIMAL BIOLOGY 3

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Assessment: As for related course: Aquatic Bioscience-3H (1B3H) or Zoology-3H (509H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: As for related 3H course: Aquatic Bioscience-3H (1B3H) or Zoology-3H (509H)

Course Co-ordinator: Dr Isabel Coombs

1B3H AQUATIC BIOSCIENCE 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratory work, tutorials and field work.

Requirements of entry: Normally, at least 60 credits at grade D or above in Biology courses above Level-1 including: Animal Diversity 2; Ecology 2; and Biometrics 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Coursework (one third of the total), Degree Examination (two thirds of the total).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad-based knowledge and understanding of Aquatic Bioscience which is appropriate for the further study of Aquatic Bioscience at the final year Honours level or for employment as a BSc Ordinary graduate in a wide range of employments; to provide you with experience of practical and field aspects of Aquatic Bioscience; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to introduce you to the use of computers in Aquatic Bioscience.

Honours Course Prescription: Ecology Field Course, Bioethics: Aquatic Microbiology, Invertebrate Zoology, Vertebrate Biology, Comparative Physiology, Marine and Freshwater Ecosystems, Molecular Ecology, Aquatic Pollution

Course Co-ordinator: Dr Stewart White

502H BIOCHEMISTRY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures every day and 2 days laboratory per week.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Proteins Structure & Function 2; Nucleic Acids Structure & Function 2; and Energy Metabolism 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Degree examination (60%) and coursework assessment (40%). This mark is also carried forward as 15% of the final degree mark for Senior Honours students.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with the basic knowledge and skills that are required for a career as a professional biochemist; to foster those general qualities and skills that can be applied equally to, and are important for, careers outside biochemistry.

Honours Course Prescription: Proteins and Enzymes; Metabolic Regulation; Membranes and Cell signalling; Gene Structure and Expression; Biochemistry of Mammalian Systems (eg immune, endocrine, neural) in Health and Disease.

Course Co-ordinator: Prof Nicholas Price

0HFH BIOMEDICAL SCIENCES (HUMAN BIOLOGY) 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: As for Neuroscience 3H (4C1H) or Physiology 3H (507H)

Requirements of entry: As for Neuroscience 3H (4C1H) or Physiology 3H (507H)

Assessment: As for Neuroscience 3H (4C1H) or Physiology 3H (507H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: As for Neuroscience 3H (4C1H) or Physiology 3H (507H)

Honours Course Prescription: As for Neuroscience 3H (4C1H) or Physiology 3H (507H)

Course Co-ordinator: Dr Paul Skett

0HDH BIOMEDICAL SCIENCES (INFECTION BIOLOGY) 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: As for Microbiology 3H (511H), Parasitology 3H (517H) and Virology 3H (821H)

Requirements of entry: As for Microbiology 3H (511H), Parasitology 3H (517H) and Virology 3H (821H)

Assessment: As for Microbiology 3H (511H), Parasitology 3H (517H) and Virology 3H (821H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: As for Microbiology 3H (511H), Parasitology 3H (517H) and Virology 3H (821H)

Honours Course Prescription: As for Microbiology 3H (511H), Parasitology 3H (517H) and Virology 3H (821H)

Course Co-ordinator: Dr Mary Tatner

0HEH BIOMEDICAL SCIENCES (MEDICAL BIOCHEMISTRY) 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: As for Medical Biochemistry 3H (4P7H)

Requirements of entry: As for Medical Biochemistry 3H (4P7H)

Assessment: As for Medical Biochemistry 3H (4P7H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: As for Medical Biochemistry 3H (4P7H)

Honours Course Prescription: As for Medical Biochemistry 3H (4P7H)

Course Co-ordinator: Prof Nicholas Price

5AAW BIOMOLECULAR SCIENCES 3

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Assessment: As for related 3H course: Biochemistry (502H) or Biotechnology (2KTH) or Genetics (505H) or Molecular & Cellular Biology (4YPH) or Plant Science (6E1H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: As for related 3H course: Biochemistry (502H) or Biotechnology (2KTH) or Genetics (505H) or Molecular & Cellular Biology (4YPH) or Plant Science (6E1H)

Course Co-ordinator: Dr Geoffrey Moores

2KTH BIOTECHNOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, practical classes, and tutorials.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Basic Genetics 2; Cells Structure and Function 2; Proteins Structure and Function 2; Nucleic Acids Structure and Function 2; and Molecular Genetics 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Coursework assessment (30%) and two 3-hour degree examinations in May/June (70%). The final 3H mark is also carried forward as 15% of the final degree mark for Senior Honours students.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To provide you with the means of acquiring broad-based knowledge and unified understanding of biology, from genomics via gene expression and macromolecular structure, to cells, tissues and organisms; (2) To help you develop basic laboratory skills and provide you with experience of major techniques (such as those of DNA manipulation, cell culture and bioinformatics) used in molecular and cellular biology; (3) To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups; (4) To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise; (5) To prepare you for advanced study of specialised biological topics and conduct of a research project, in final Honours year, or for one of many forms of employment as a BSc designated degree graduate.

Honours Course Prescription: Genomics; Molecular Genetic Methods; Proteins and Enzymes; Membranes, filaments and motors; DNA Isolation, Structure and Replication; Microbial Genetics; Gene Expression; Plant Molecular Biology; Cell Signalling, Cell Cycle and Cancer, Cell Engineering; Immunology; Animal Virology; Ions and Excitable Membranes. Laboratories: Data analysis on genes and proteins; Molecular graphics & protein 3-dimensional structure; Molecular Genetics Techniques; Protein purification and analysis; Plasmids and transposons; Plant Molecular Biology; Animal Cell Culture and Fluorescence Microscopy; Viruses.

Course Co-ordinator: Dr Russell Thompson

3YCH COMPUTING SCIENCE AND PHYSIOLOGY 3H (NEUROINFORMATICS)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Organised jointly between the Institute of Biomedical and Life Sciences and Computing Science

Requirements of entry: Biology-1X; Biology-1Y; Computing Science-1P; Computing Science-1Q; Mathematics-1R or -1X ; Mathematics-1S or -1T or -1Y; Physiological Systems I; Neuroscience; Physiological Systems II; Biometrics; at least 40 credits at Grade C from Computing Science Level-2 courses including Computing Science-2X and Computing Science-2Y. Normally, at least D grades are required in all prerequisite subjects (except where specifed), while B grades in all prerequisites subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Depending on the courses chosen by each individual student the weighting can vary.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: During the degree programme, you will acquire: a deep understanding of the core areas of Computing Science, and the Mathematics which underpin information processing; an understanding of the ways in which information is processed by the central nervous system; the ability to draw on your understanding of information processing to gain insight into the computational properties of real neurones and networks made up of neurones; an understanding of the possible application of biological principles to computing.

Honours Course Prescription: Integrated Human, Neurophysiology of CNS, Endocrinology, 5 Computing Science 3H courses including Advanced Programming 3 and Professional Software Development 3

Course Co-ordinator: Dr James Morrison

4NWW ESSENTIAL MOLECULAR BIOLOGY 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Most lectures will be at 9.00 am (occasionally at other times on Fridays). Laboratories will be between 10.00 am and 5.00 pm on certain days to suit other courses.

Requirements of entry: Six IBLS Level-2 courses with at least grade C on two of them and at least grade D in the remaining four. IBLS courses 5a Proteins and 6b Energy Metabolism are essential and the remaining four should be from: 1a Basic Genetics, 2a Cells, 3a Physiological Systems I, 4a Animal Diversity, 6a Nucleic Acids, 9a Microorganisms, 12a Plants, Pollution & Global Change, 2b Evolutionary Biology, 3b Infection & Immunity, 5b Plant Science, 7b Drugs & Disease, 8b Human Tissues in Health & Disease, 9b Reproduction and the Embryo, 11b Practical Microbiology, 13b Science Communication and 17b Conservation Biology

Excluded Courses: Biochemistry 3H, Medical Biochemistry 3H

Assessment: Two one and a half hour papers (60%) and coursework assessment (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide courses in (1) proteins, enzymes and cell signalling; (2) molecular biology techniques; (3) intermediary metabolism and (4) immunology and endocrinology.

Course Co-ordinator: Prof Nicholas Price

505H GENETICS 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories, tutorials and student-directed learning.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Basic Genetics 2; Proteins Structure & Function 2, Nucleic Acids Structure & Function 2; Molecular Genetics 2; and Evolutionary Biology 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Two degree examination papers (70%) and course work (30%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Appreciation of the continuity of classical and molecular genetics: the classical foundations of molecular genetics and the application of both to understanding of populations and evolution; appreciation of the broad application of genetics within modern biology, biotechnology and medicine; understanding that research involves serious thought and reliable experimentation, and that scientific knowledge can be hard won; a sense of the excitement of a rapidly advancing field of study; successful completion of an important step on the road to a rewarding career.

Honours Course Prescription: DNA Replication, Repair and Recombination; Genomics; Chromosome Structure; Prokaryote and Eukaryote Gene Expression; Transcription and Translation; Proteins and Enzymes; Structures and Mechanisms; Membranes, Cell Skeleton, Motors; Methods in Molecular Genetics; Microbial Genetics; Plasmids and Transposable Elements; Plant Molecular Biology; Cell signalling; Cell Cycle and Cancer; Molecular Immunology; Animal Viruses; Ions and Excitable Membranes. Student directed learning: Mutants and Model Genetic Organisms; Genetics Problem Solving; Genes and Proteins; Evolutionary Genetics; Genes in Populations. Laboratory classes: Molecular Genetic Methods; Analysis of Mutants; Molecular Graphics of Protein Structure; Bacterial Genetics; Plant Molecular Biology; Animal Cells in Culture. Reading Party.

Course Co-ordinator: Dr Kevin O'Dell

4YWW HUMAN BIOLOGY 3

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Assessment: As for related 3H course: Anatomy (500H) or Biomedical Sciences (2KGH) or Neuroscience (4C1H) or Pharmacology (408H) or Physiology (507H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: As for related 3H course: Anatomy (500H) or Biomedical Sciences (2KGH) or Neuroscience (4C1H) or Pharmacology (408H) or Physiology (507H)

Course Co-ordinator: Dr Michael Lucas

4YTW INFECTION BIOLOGY 3

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: As for related 3H course: Microbiology (511H) or Parasitology (517H) or Virology (821H)

Assessment: As for related 3H course: Microbiology (511H) or Parasitology (517H) or Virology (821H)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: As for related 3H course: Microbiology (511H) or Parasitology (517H) or Virology (821H)

Course Co-ordinator: Dr Mary Tatner

4P7H MEDICAL BIOCHEMISTRY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures every day and 2 days laboratories per week.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Proteins Structure and Function 2; Nucleic Acids Structure and Function 2; and Energy Metabolism 2. At least D grades are normally required in all prerequisite subjects,

while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Degree examination (60%) and the course work assessment (40%). The mark is also carried forward as 15% of the final degree mark for Senior Honours students.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with the basic knowledge and skills that are required for a career as a professional biochemist, especially in areas relevant to medicine; to foster those general qualities and skills that can be applied equally to, and are important for, careers outside biochemistry.

Honours Course Prescription: Proteins and Enzymes; Metabolic Regulation; Membranes and Cell Signalling; Gene Structure and Expression; Biochemistry of Mammalian Systems (eg immune, endocrine, neural) in Health and Disease.

Course Co-ordinator: Prof Nicholas Price

511H MICROBIOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories, tutorials, problem-based learning, and 3-day field trip.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Infection & Immunity 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Degree examinations (66%) and course work assessment (34%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad-based knowledge and understanding of Microbiology which is appropriate for the further study of Microbiology at the final year Honours level or for employment as a BSc Designated Degree graduate in a wide range of employments; to provide you with the basic practical skills and an introduction to laboratory techniques in Microbiology; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to introduce you to the use of computers in Microbiology.

Honours Course Prescription: Introduction to Pathogens; Colonisation, Entry and Spread; Adaptation to the Host; The Host strikes back - Innate, Immediate and Acquired Immunity; Pathogen Evasion Strategies; Mechanisms of Cell and Tissue Damage; Recovery from Infection and Latent/Persistent Infection; Diagnosis and Control of Infectious Disease; Molecular Methods

Course Co-ordinator: Dr Mary Tatner

4YPH MOLECULAR & CELLULAR BIOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories, tutorials, problem-based learning and reading party.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Basic Genetics 2; Proteins Structure & Function 2; Nucleic Acids Structure & Function 2; and Molecular Genetics 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Coursework assessment (30%) and two 3-hour degree examinations in May/June (70%). The final 3H mark is also carried forward as 15% of the final degree mark for Senior Honours students.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To provide you with the means of acquiring broad-based knowledge and unified understanding of biology, from genomics via gene expression and macromolecular structure, to cells, tissues and organisms; (2) To help you develop basic laboratory skills and provide you with experience of major techniques (such as those of DNA manipulation, cell culture and bioinformatics) used in molecular and cellular biology; (3) To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups; (4) To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise; (5) To prepare you for advanced study of specialised biological topics and conduct of a research project, in final Honours year, or for one of many forms of employment as a BSc designated degree graduate.

Honours Course Prescription: Genomics; Molecular Genetic Methods; Proteins and Enzymes; Membranes, filaments and motors; DNA Isolation, Structure and Replication; Microbial Genetics; Gene Expression; Plant Molecular Biology; Cell Signalling, Cell Cycle and Cancer, Cell Engineering; Immunology; Animal Virology; Ions and Excitable Membranes. Laboratories: Data analysis on genes and proteins; Molecular graphics & protein 3-dimensional structure; Molecuclar Genetics Techniques; Protein purification and analysis; Plasmids and transposons; Plant Molecular Biology; Animal Cell Culture and Fluorescence Microscopy; Viruses.

Course Co-ordinator: Dr Russell Thompson

4C1H NEUROSCIENCE 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratory classes and tutorials.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Physiological Systems-I 2; Human Form & Function 2; Drugs & Disease 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Two 3-hour degree examinations (60%); classwork (40%). Oral at discretion of external examiner.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To stimulate and foster a sense of excitement in Neuroscience and the challenge of seeking to understand the human brain; to provide a broad-based understanding of Neuroscience and knowledge appropriate for the study of Neuroscience at the final year Honours level; to encourage the development of scientific skills relating to the systematic acquisition of factual information and data, and the critical analysis, interpretation and discussion of this material; to provide students with basic practical skills and experience of laboratory techniques in neuroanatomy, neurophysiology and in cellular and molecular biology.

Honours Course Prescription: Integrated Human; CNS; Molecular Biological Techniques; Mammalian Development; Statistics; Autonomic Pharmacology; Head & Neck; Saccadic eye movements laboratory; Excitable Membranes; CNS Pharmacology; Neuroanatomy laboratory; Experimental Techniques in Neuroscience

Course Co-ordinator: Dr John Riddell

517H PARASITOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories, tutorials, problem-based learning, and 3-day field trip.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Infection & Immunity 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Two degree examinations (66%) and coursework assessment (34%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad-based knowledge and understanding of Parasitology which is appropriate for the further study of Parasitology at the final year Honours level or for employment as a BSc Designated degree graduate in a wide range of employment; to provide you with the basic practical skills and an introduction to laboratory techniques in Parasitology; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data, to provide you with opportunities to practise and improve written and oral communication skills; to introduce you to the use of computers in Biological Sciences.

Honours Course Prescription: Introduction to Pathogens; Colonisation, Entry and Spread; Adaptation to the Host; The Host Strikes Back - Innate, Immediate and Acquired Immunity; Pathogen Evasion Strategies; Mechanisms of Cell and Tissue Damage; Recovery from Infection and Latent/Persistent Infection; Diagnosis and Control of Infectious Disease; Molecular Methods.

Course Co-ordinator: Dr Mary Tatner

408H PHARMACOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories and tutorials.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Physiological Systems-I 2; Human Form & Function 2; Drugs & Disease 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Two 3-hour degree examinations (60%); classwork (40%). Oral at discretion of external examiner.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To equip you with a fundamental understanding of science and competence in relevant scientific methods; to provide advanced knowledge, understanding, scholarship and critical judgement appropriate for professional employment in Pharmacology or a related discipline by: providing a broad-based knowledge and understanding of Pharmacology; providing basic practical skills and experience of laboratory techniques in Pharmacology; encouraging the development of skills relating to the systematic acquisition of factual information and data; encouraging the critical analysis, interpretation and discussion of factual information, data and issues in Pharmacology; promoting an appreciation of the ethics of science. To develop those transferable, intellectual and practical skills which may be of advantage to you in a wide range of employments; to develop in you the flexibility to adapt to change throughout your working life by: providing opportunities to practise and improve written and oral communication skills; providing training in problem solving and data analysis; providing training in the basic skills of information technology.

Honours Course Prescription: Integrated Human; CNS; Molecular Biological Techniques; Immune & Endocrine System; Chemotherapy; Statistics.

Course Co-ordinator: Dr Dorothy Aidulis

427H PHYSIOLOGY & SPORTS SCIENCE 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories and tutorials throughout the week.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Physiological Systems-I 2; Human Form & Function 2; Neuroscience 2; and Energy Metabolism 2 OR Physical Principles of Biological Processes 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Two 3-hour degree examinations (60%); classwork (40%). Oral at discretion of external examiner.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad-based knowledge and understanding of Physiology and Sports Science which is appropriate for the further study of Physiology and Sports Science, Sports Medicine or Sports Science and Nutrition at the final year Honours level or for employment as a BSc Ordinary graduate in a wide range of employment; to provide you with the basic skills and an introduction to laboratory techniques in Physiology and Sports Science; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to extend your computer skills.

Honours Course Prescription: Respiration; CVS in the Exercising Human; Muscle, Tendons & Ligaments; Physical Activity, Nutrition & Metabolism; Statistics; Practical Physiological Assessment; Reflexes, Reaction Times & Motor Units; Ethics & Contemporary Issues in Sports & Exercise; Fundamentals of Sport and Exercise Psychology; Biomechanics; Data Management; Molecular Biological Techniques.

Course Co-ordinator: Dr Barbara Cogdell

507H PHYSIOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories and tutorials.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Physiological Systems-I 2; Human Form & Function 2; Drugs & Disease 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Two 3-hour degree examinations (60%); classwork (40%). Oral at discretion of external examiner.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The Level-3 year is based on a series of 5-week course units, with lectures, practical work including the analysis and discussion of results, tutorials and problem solving sessions. The emphasis is on mammalian physiology covering topics from the properties of single cells at the molecular level, to the behaviour of the whole mammalian body. In this context the aim of the Level 3 course is to provide a broad general knowledge of the behaviour of physiological systems.

Honours Course Prescription: Integrated Human; CNS; Molecular Biological Techniques; Immune & Endocrine System; Contractile Mechanisms, Integrated Systems Physiology, Excitable Membranes; Statistics.

Course Co-ordinator: Dr Michael Lucas

507F PHYSIOLOGY 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable is organised by the Department of Psychology and the Institute of Biomedical and Life Sciences. Lectures in Psychology daily at 1.00 pm.

Requirements of entry: For the Physiology component: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1** including: Physiological Systems-I 2; Human Form & Function 2; Drugs & Disease 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements. [**Statistics 1B or Statistics 1C can act in lieu of a credit in Biometrics 2 for this requirement.]

Assessment: For the Physiology component (50% of the total) Two 3-hour degree examinations (30%); classwork (20%). Oral at discretion of external examiner.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Physiology and Psychology are a natural combination of subjects for students interested in the relation between physiological processes and behaviour. There is a long history of the importance of understanding various aspects of behaviour. For example, William James' famous Principles of Psychology first published in 1890 covers in great detail the known physiology of the brain, and incorporates this into discussions of emotions, the production of movement, will, and many other topics. Physiological Psychology and Neuropsychology are now well established independent disciplines. The combined honours degree in Physiology and Psychology allows the students to study in depth selected areas of physiology and psychology. The physiology component of the programme covers homeostatic mechanisms - the control and regulation of the internal processes of the body and neurophysiology, including information processing in the nervous system.

Honours Course Prescription: Selected parts of Physiology (for the Physiology component): Integrated Human; CNS; Immune & Endocrine Systems.

Course Co-ordinator: Dr Michael Lucas

6GAW SPORTS SCIENCE 3E

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories and tutorials.

Requirements of entry: Biology-1X; Biology-1Y; Chemistry-1 or General Chemistry-1; Physiological Systems-1; Human Form and Function; Neuroscience; Energy Metabolism OR Physical Principles of Biological Processes. Normally at least grade D is required in all prerequisite subjects, while grade B in all prerequisite subjects will guarantee entry. Entry is competitive and is not guaranteed by fulfilling the minimum entry requirements.

Assessment: Two 3-hour degree examinations (60%); classwork (40%). Oral at discretion of external examiner.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide the student with knowledge and understanding of the methods and ethos of Science, particularly sport and exercise science and awareness of its place in human affairs. To provide the student with a broad-based knowledge and understanding of sport and exercise science which is appropriate for employment as a graduate in a wide range of employment. To provide the student with the basic practical skills and an introduction to laboratory techniques in the assessment of human performance. To develop skills relating to the systematic acquisition of factual information and data, in relation to human performance and related areas of science. To develop the ability to solve problems and to critically analyse, interpret and discuss factual information and data. To provide opportunities to practice and improve interpersonal skills and the arts of written and oral communication. To introduce students to the use of computers in sport and exercise science.

Course Co-ordinator: Dr Ronald Baxendale

821H VIROLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories, tutorials, problem-based learning, and 3-day field trip.

Requirements of entry: Normally, Chemistry-1 or General Chemistry-1 plus at least 60 credits at grade D or above in Biology courses above Level-1 including: Infection & Immunity 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Degree examinations (66%) and coursework assessment (34%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad-based knowledge and understanding of Virology which is appropriate for the further study of Virology at the final year Honours level or for employment as a BSc Designated degree graduate in a wide range of employment; to provide you with the basic practical skills and an introduction to laboratory techniques in Virology; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data, to provide you with opportunities to practise and improve written and oral communication skills; to introduce you to the use of computers in Biological Sciences.

Honours Course Prescription: Introduction to Pathogens; Colonisation, Entry and Spread; Adaptation to the Host; The Host strikes back - Innate, Immediate and Acquired Immunity; Pathogen Evasion Strategies; Mechanisms of Cell and Tissue Damage; Recovery from Infection and Latent/Persistent Infection; Diagnosis and Control of Infectious Disease; Molecular Methods

Course Co-ordinator: Dr Mary Tatner

509H ZOOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, self-teaching units, laboratory practical exercises, field courses, discussions and tutorials.

Requirements of entry: Normally, at least 60 credits at grade D or above in Biology courses above Level-1 including: Basic Genetics 2; Animal Diversity 2; Ecology 2; and Evolutionary Biology 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Coursework (one third of the total), Degree Examination (two thirds of the total).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad-based knowledge and understanding of Zoology which is appropriate for the further study of Zoology at the final year Honours level or for employment as a B.Sc. Ordinary graduate in a wide range of employments; to provide you with the basic practical skills and an introduction to laboratory and field techniques in Zoology; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to introduce you to the use of computers in Zoology.

Honours Course Prescription: Ecology Field Course; Bioethics; Experimental Design; Invertebrate Biology; Vertebrate Biology; Animal Physiology; Parasite Biology; Reproductive Biology; Marine Biology Field

Course; Molecular Ecology; Insect Biology.

Course Co-ordinator: Dr Isabel Coombs

0XYF ZOOLOGY 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: As for Zoology-3H (509H): Lectures, self-teaching units, laboratory practical exercises, field courses, discussions and tutorials.

Requirements of entry: As for Zoology-3H (509H). Normally, at least 60 credits at grade D or above in Biology courses above Level-1 including: Basic Genetics 2; Animal Diversity 2; Ecology 2; and Evolutionary Biology 2. At least D grades are normally required in all prerequisite subjects, while B grades in all prerequisite subjects will guarantee entry. Entry is competitive, and is not guaranteed merely by satisfying the minimum requirements.

Assessment: Coursework (one third of the total), Degree Examination (two thirds of the total). The final degree mark for Level-3 is carried forward as 15% of the degree mark for students who progress to 4th year.

Aims: To provide general knowledge and understanding of Zoology which is appropriate for further studies of Zoology at the final year Honours level, or for employment as a B.Sc. Ordinary graduate in a wide range of fields; To provide basic practical skills and an introduction to laboratory and field techniques in Zoology; To develop skills relating to the systematic acquisition of factual information and data; To develop the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide opportunities to practise and improve written and oral communication skills; To introduce the use of computers in Zoology.

Honours Course Prescription: Ecology Field Course (with an additional own-time essay); Zoology Tutorial; Experimental Design; Vertebrate Biology (75%, practicals clashing with Applied Mathematics options are dropped); Animal Physiology; Parasite Biology; Marine Biology Field Course (with an additional own-time essay); Insect Biology.

Course Co-ordinator: Dr Isabel Coombs

500J ANATOMY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week Honours options (usually two 3-hour session per week), research project (semester 1) tutorials and seminars

Requirements of entry: At least grade D in Anatomy 3H, normally at the first attempt.

Assessment: Degree examinations (60%), course work assessment (40%).

Degree Examination taken in: May/June

Aims: To provide you with in depth knowledge and understanding of Anatomy; to provide you with practical skills in laboratory techniques; to encourage independent thinking in the execution of an Honours research project; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to use computers effectively in the study of Anatomy.

Honours Course Prescription: Anatomy 4H consists of four options from the IBLS Honours Option Scheme, a Research Project, statistical methods and critical analysis. Students must choose at least two options from the approved list for the course and two others.

Course Co-ordinator: Prof Anthony Payne

1B3J AQUATIC BIOSCIENCE 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week Honours options (usually two 3-hour sessions per week), research project (semester 1), tutorials and seminars.

Requirements of entry: At least grade D in Aquatic Bioscience 3H, normally at the first attempt.

Assessment: Experimental Design & Data Analysis (4%); essay (4%); project (17%); five x 3-hour June examinations (60%); carry forward (15%)

Degree Examination taken in: May/June

Aims: To provide you with a deep knowledge and understanding of specific aspects of Aquatic Bioscience; to provide you with an opportunity to use the basic practical skills acquired in Aquatic Bioscience 4H in such a way as to allow you to investigate by means of a Project a novel problem in Aquatic Bioscience; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to provide you with opportunities to practise and improve your use of computers in Aquatic Bioscience.

Honours Course Prescription: Aquatic Bioscience 4H consists of four 5-week options from the IBLS Honours Options Scheme, a Research Project and Experimental Design & Data Analysis. Students must choose at least three options from the approved list for the course and one other.

Course Co-ordinator: Dr Kevin Murphy

502J BIOCHEMISTRY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week options, usually taught in two 3-hour sessions per week. Research projects 3 days per week for first 12 weeks. Tutorials as arranged.

Requirements of entry: At least grade D in Level 3H, normally at the first attempt.

Assessment: Six papers (65%/6 each), project/dissertation (20%), oral at examiners' dis-

cretion. Carry forward from 3H assessment counts as 15% of final mark.

Degree Examination taken in: May/June

Aims: To describe the current state of knowledge and aims of research in defined areas; to develop a range of investigative skills including: assessing the literature in a specific field, planning and carrying out an investigation, and analysing the results, mastering a defined group of practical skills (not necessarily laboratory-based), organising and presenting written and oral reports.

Honours Course Prescription: Normally three from the options offered by Biochemistry/Medical Biochemistry. The fourth option may be any other from the Biological Science Honours Options Scheme. Research Project.

Course Co-ordinator: Prof Nicholas Price

2KGJ BIOMEDICAL SCIENCES 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week Honours options (usually two 3-hour sessions per week) during Semesters 1 and 2, research project during Semesters 1 and 2, tutorials and seminars.

Requirements of entry: At least grade D in Biomedical Sciences 3H, normally at the first attempt.

Assessment: Degree examination (80%), project (20%); oral at the discretion of the examiners.

Degree Examination taken in: May/June

Aims: To describe the current state of knowledge and aims of research in defined areas; to develop a range of investigative skills including: (1) assessing the literature in a specific field; (2) planning and carrying out an investigation and analysing the results; (3) mastering a defined group of practical skills (not necessarily laboratory based); (4) organising and presenting written and oral reports.

Honours Course Prescription: Four options, at least three of which must be from the recommended list for the course; project; tutorials.

Course Co-ordinator: Prof William Cushley

2KTJ BIOTECHNOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials, group work, presentations and project (37 days).

Requirements of entry: At least grade D in Biotechnology 3H, normally at the first attempt.

Assessment: Six 3-hour degree papers and research project and dissertation (85%) and 15% carry forward from Biotechnology-3H.

Degree Examination taken in: May/June

Aims: To give you the experience of an individual laboratory-based research project, and a literature-based investigation. To provide you with the opportunity for advanced study of four specialised biological topics chosen from a series of options. To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups. To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise.

Honours Course Prescription: Two Recommended options, at least one of which must be Highly Recommended, plus two other suitable options; project; tutorials.

Course Co-ordinator: Dr Geoffrey Moores

3YCJ COMPUTING SCIENCE & PHYSIOLOGY 4H (NEUROINFORMATICS)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Organised jointly between the Institute of Biomedical and Life Sciences and Computing Science.

Requirements of entry: At least grade D in Physiology 3H, normally at first attempt and at least Grade C in Computing Science 3H at first attempt.

Assessment: Depending on the courses chosen by each student the weighting can vary.

Degree Examination taken in: May/June

Aims: As for Single Honours in Physiology and Computing Science but with a reduced breadth. The aim is to build links between the two disciplines allowing the constructive application of knowledge and technical skills to research in either discipline or in interdisciplinary research in academic and/or industrial settings.

Honours Course Prescription: IBLS Honours Options in Vision and Physiology of Motor Systems, 3 Computing Science 4H courses and Individual Project 4 (including Professional Issues).

Course Co-ordinator: Dr James Morrison

505J GENETICS 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Level-4 options are usually taught in two 3-hour sessions per week. Research project, tutorials, problem-based learning.

Requirements of entry: At least grade D in Genetics 3H, normally at the first attempt.

Assessment: Paper 1 'Compulsory' Option; Papers 2, 3 and 4: Honours Options; Paper 5 Data analysis and analysis of a scientific paper; Project and Dissertation - equivalent of a 3-hour paper.

Degree Examination taken in: May/June

Aims: Appreciation of the continuity of genetics - although many of the major questions have not changed since the inception of the subject, our ability to answer them has increased dramatically; a knowledgeable overview of the theoretical and practical foundations of classical and molecular genetics; appreciation of the broad application of genetics within modern biology,

biotechnology and medicine; in-depth knowledge of selected areas, and confidence that in-depth knowledge of any area is within one's grasp.

Honours Course Prescription: The Eukaryotic Genes option in term one is compulsory, plus any other three appropriate options. Students also attend tutorials, undertake an experimental Genetics project and write a dissertation.

Course Co-ordinator: Dr Joseph Gray

4P7J MEDICAL BIOCHEMISTRY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week options, usually taught in two 3-hour sessions per week. Research projects 3 days per week for first 12 weeks. Tutorials as arranged.

Requirements of entry: At least grade D in Level 3H, normally at the first attempt.

Assessment: Six papers (65%/6 each), project/dissertation (20%), oral at examiners' discretion. Carry forward from 3H assessment counts as 15% of final mark.

Aims: To describe the current state of knowledge and aims of research in defined areas; to develop a range of investigative skills including: assessing the literature in a specific field, planning and carrying out an investigation, and analysing the results, mastering a defined group of practical skills (not necessarily laboratory-based), organising and presenting written and oral reports.

Honours Course Prescription: Normally three from the options offered by Biochemistry/Medical Biochemistry. The fourth option may be any other from the Biological Science Honours Options Scheme. Research Project.

Course Co-ordinator: Prof Nicholas Price

511J MICROBIOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Options normally in two 3-hour sessions per week until Easter. Project work for a maximum of 2 days per week for weeks 1-15.

Requirements of entry: At least grade D in Microbiology 3H, normally at the first attempt.

Assessment: Five papers (16.67% each), Honours Research Project (16.67%)

Degree Examination taken in: May/June

Aims: To provide the opportunity for microbiological fieldwork, with laboratory follow-up, through the Marine Microbiology course at the Universities Marine Station, Millport. To develop familiarity with the use of computers for data analysis, word-processing and graphics (essays and Project). To consolidate the knowledge and appreciation of Microbiology acquired during Level-2 and Microbiology-3H. To encourage the student to use further the diverse facilities offered by the University Library for advanced study, through the devices of General Essays, Options and the individual Research Project. To promote familiarity with scientific methods by analysing the technical data and conclusions in original research papers. To develop skills in analysis and interpretation of numerical data, understand the use of logarithmic scales, where necessary, plot appropriate graphs, and draw conclusions. To prepare students for employment as Honours Graduates by a) encouraging them to organise their own programme of work b) developing their motivation and individual work ethic and c) further developing the ability for concise writing and verbal communication on scientific topics. To stimulate the capacity for independent, creative thought. To instil confidence and develop competence in public speaking through paper presentations, tutorials and debates. To introduce the student to the satisfactions, and insights of original research work, through the Project. To develop an appreciation of recent advances in Microbiology through a programme of IBLS, Division of Infection & Immunity and recommended University seminars given by visiting research workers.

Honours Course Prescription: Microbiology 4H consists of four 5-week options from the IBLS Honours Option Scheme, a Research Project and General Essays. Students must choose from the list of approved options.

Course Co-ordinator: Prof Thomas Birkbeck

4YPJ MOLECULAR & CELLULAR BIOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Level-4 options are usually taught in two 3-hour sessions per week. Research project, tutorials, problem-based learning.

Requirements of entry: At least Grade D in Level-3H Molecular and Cellular Biology, normally at the first attempt.

Assessment: Six 3-hour degree examination papers and research project and dissertation (85%) and 15% carry forward from Molecular & Cellular Biology-3H.

Aims: To give you the experience of an individual laboratory-based research project, and a literature-based investigation. To provide you with the opportunity for advanced study of four specialised biological topics chosen from a series of options. To give you practice in problem-solving, in use of important communication skills, such as written and verbal presentation of information, and in collaboration in groups. To develop your appreciation of the importance of the concepts, data and techniques of contemporary biology to the future well-being of mankind, and of the ethical issues which these raise.

Honours Course Prescription: Molecular and Cellular Biology 4H consists of four 5-week options from the IBLS Honours Option Scheme, a Research Project, and a Dissertation. Students must choose at least two options from the approved list for the course and two other suitable options.

Course Co-ordinator: Dr Iain Johnstone

4C1J NEUROSCIENCE 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week Honours options (usually two 3-hour sessions per week), research project (semester 1), and seminars.

Requirements of entry: At least grade D in Neuroscience 3H, normally at the first attempt.

Assessment: Four papers, based on work from each option (15% each); Literature dissertation (10%); Project (thesis plus oral presentation) (15 + 5%); General neuroscience paper (10%).

Aims: To provide you with the basic practical skills and an introduction to laboratory techniques in Neuroscience; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to further your knowledge of the use of computers in Neuroscience.

Honours Course Prescription: Neuroscience-4H consists of four 5-week options from the IBLS Honours Option Scheme, a Research Project and Seminars on Critical Analysis. Students must choose at least three options from the approved list for the course and one other.

Course Co-ordinator: Prof David Maxwell

517J PARASITOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four level 4 Options timetabled variously but 6-8 hours per week.

Requirements of entry: At least grade D in Parasitology 3H, normally at the first attempt.

Assessment: Degree examination (66.65%), project (20%), essays (13.35%), oral at examiners' discretion.

Aims: To provide you with a broad-based knowledge and understanding of Parasitology which is appropriate for employment as a BSc Honours graduate; to provide you with research and laboratory skills in Parasitology; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to analyse critically, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to reinforce the use of computers in Parasitology.

Honours Course Prescription: Parasitology 4H consists of four 5-week options from the IBLS Honours Option Scheme and a Research Project. Students are strongly recommended to choose four options from the approved list for the course.

Course Co-ordinator: Prof R Phillips

408J PHARMACOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week Honours options (usually two 3-hour sessions per week), research project (terms 1 and 2), and seminars.

Requirements of entry: At least grade D in Pharmacology 3H, normally at the first attempt.

Assessment: Degree examination (55%), project (30%), class exams (15%), oral at discretion of external examiner.

Degree Examination taken in: May/June

Aims: The options in the course are intended to provide students with an in-depth view of current knowledge and research developments in selected areas of pharmacology, including drug metabolism. The research project is intended to provide hands-on experience in a research laboratory or other research environment, and the opportunity to design and perform original experiments, or the opportunity to undertake an in-depth critical analysis of an area of relevant scientific interest.

Honours Course Prescription: Two compulsory options from the Honours Option Scheme; two further options from the approved list of Honours Options; Research project.

Course Co-ordinator: Dr Stuart Cobb

427J PHYSIOLOGY & SPORTS SCIENCE 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Requirements of entry: At least grade D in Physiology & Sports Science-3H, normally at the first attempt.

Assessment: Degree examination papers 55%, project 25%, coursework 20%.

Degree Examination taken in: May/June

Aims: To equip students to serve the community, whether at the level of basic health or of high-level sport, as researchers, teachers, counsellors and leaders in the exercise sciences; to develop the critical appraisal of literature in human physiology and the exercise and sports sciences; to impart transferable skills in relation to the experimental study and structured observation of the human subject, laboratory competence, scientific writing and literature survey, statistical analysis and the use of information technology, together with an appreciation of the philosophy and ethics of science.

Honours Course Prescription: At least three recommended options plus one other suitable option; project; tutorials.

Course Co-ordinator: Dr Ronald Baxendale

507J PHYSIOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week Honours options (usually two 3-hour sessions per week), research project (Terms 1 & 2) and seminars.

Requirements of entry: At least grade D in Physiology 3H, normally at the first attempt.

Assessment: Five written degree examination papers 65%; Garry Essay 5%; Project 30%

Degree Examination taken in: May/June

Aims: The Level-4 course draws heavily upon the research expertise of the Honours Physiology teaching staff. Students will be introduced to the original literature in several areas, as well as becoming familiar with a number of advanced experimental techniques. The object of the Senior Honours year is to further develop in the student an understanding of experimental procedures including the formulation of a problem, the design of an experiment, the analysis of the results, and the preparation of a written report. A graduate with an Honours Degree in Physiology will have developed the discipline and necessary experimental skills to pursue further advanced studies in Physiology leading to a higher degree. The Honours degree in Physiology also provides a good general education in scientific methods so that a graduate should be able to pursue careers in areas as diverse as Scientific Publishing or Public Health.

Honours Course Prescription: Physiology 4H consists of four 5-week options from the IBLS Honours Option Scheme and a Research Project. Students must choose from the list of approved options for the course.

Course Co-ordinator: Dr Desmond Gilmore

507G PHYSIOLOGY 4H (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Timetable is organised jointly between the Department of Psychology and IBLS.

Requirements of entry: At least grade D in Physiology-3H component, normally at the first attempt. Completion of Psychology-3H component.

Assessment: For the Physiology component (50% of total): Three 3-hour degree examination papers (36%); Garry essay (3%); project (11%).

Degree Examination taken in: May/June

Aims: Physiology and Psychology are a natural combination of subjects for students interested in the relationship between physiological processes and behaviour. There is a long history of the importance of being aware of these processes in relation to understanding various aspects of behaviour. For example, William James' famous Principles of Psychology first published in 1890 covers in great detail the known physiology of the brain, and incorporates this into discussions of emotions, the production of movement, will, and many other topics. Physiological Psychology and Neuropsychology are now well established independent disciplines. The combined honours degree in Physiology and Psychology allows the students to study in depth selected areas of both disciplines. The physiology component of the programme is divided into two streams; one concerned with homeostatic mechanisms - the control and regulation of the internal processes of the body; and the other covering neurophysiology including information processing in the nervous system.

Honours Course Prescription: Two 5-week Honours Options from the IBLS Honours Option scheme; a joint Maxi project; three level-3 Psychology courses.

Course Co-ordinator: Dr Desmond Gilmore

3YLJ PHYSIOLOGY, SPORTS SCIENCE AND NUTRITION 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures, practical sessions, self-directed learning, seminars and tutorials for each course. At least 14 hours per week devoted to research project.

Requirements of entry: At least grade D in Physiology and Sports Science 3H (first attempt)

Assessment: Three examination papers (70%). Honours Project (30%). Viva.

Aims: To provide a well-rounded knowledge in Human Nutrition as well as specialist knowledge in Sports Nutrition.

Honours Course Prescription: This is a Level-4 course and shares a common third year with Physiology & Sports Science. The course has been designed to provide a thorough grounding in nutrition. In Level 4 there are a range of topics in nutrition, with an emphasis on sports and exercise. Units include: Food, Nutrients, and Dietary Recommendations, Digestion, Absorption and Metabolism, Dietary Assessment Techniques, Body Composition and Energy Expenditure, Nutritional Aspects of Growth, Development and Ageing, Food Choice and Eating Behaviour, Public Health Nutrition, Sports and Exercise Nutrition, Exercise and Public Health. Students will also carry out a substantial research project. Much of the Level-4H course is designed to be self-directed learning and students will be given opportunities to increase their critical, statistical, computing and communication skills. This degree will train individuals in the science of exercise and sports and nutritional science. By the end of the course, students should have a well rounded knowledge of nutrition as well as a special knowledge of sports nutrition. This will lead to possible employment in both fields: sports exercise and nutrition.

Course Co-ordinator: Ms Alison Parrett

6E1J PLANT SCIENCE 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Four 5-week Honours options (usually two 3-hour sessions per week), research project (weeks 1-19), tutorials and seminars. Field classes are integral part of some of the Level-4H Plant Science options.

Requirements of entry: At least grade D in Plant Science-3H, normally at first attempt

Assessment: Six degree examination papers (72.5%), project (25%), coursework (2.5%).

Aims: To provide you with a knowledge and understanding of the Plant Sciences which is appropriate for the further study of the subject at postgraduate level or for employment as a BSc Honours graduate in a wide range of employments; to provide you with practical skills and laboratory techniques in a selected area of the Plant Sciences; to develop skills relating to the systematic acquisition of factual information and data; to

develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to develop your skills in the use of computers in the Plant Sciences.

Honours Course Prescription: Plant Science 4H consists of four 5-week options from the IBLS Honours Option Scheme, a Research Project, Data Evaluation & Interpretation classes and Scientific Paper Criticism classes. Students must take the compulsory option, two other options from the approved list for the course and one other.

Course Co-ordinator: Dr Christopher Brett

2BYJ SPORTS MEDICINE 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures and Clinical Demonstrations. Teaching four mornings and 2 afternoons weekly. Clinical laboratory methods and Tutorials to complement course.

Requirements of entry: At least grade C in Physiology and Sports Science 3H normally at the first attempt.

Assessment: Degree examination papers (40% each); project (40%). Coursework (20%)

Degree Examination taken in: May/June

Aims: Aims are that students acquire: Communication skills; Information retrieval skills; Ability to critically review the literature; Ability to work in teams; and also to gain an understanding of Basic scientific procedures in experimental research; Ethical aspects of medical research, hypothesis generation and experimental design; Data collection and analysis; to be able to read, with critical comprehension, current research papers related to exercise and common medical conditions; to understand the benefits of regular exercise in the prevention, diagnosis and management of medical conditions.

Honours Course Prescription: Sports Medicine 4H consists of four 5-week options from the IBLS Honours Option Scheme and a Research Project. Students must take two compulsory options and two other options from the approved list for the course.

Course Co-ordinator: Prof W Hillis

821J VIROLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 5-week Honours options; research project; dissertation; diary and tutorials.

Requirements of entry: At least Grade D in Virology 3H, normally at the first attempt.

Assessment: Six 3-hour degree examination papers, research project and dissertation.

Degree Examination taken in: May/June

Aims: To provide students with: in depth knowledge and understanding of Virology; the practical skills in laboratory techniques and to encourage independent thinking in the execution of an Honours research project; to develop skills relating to the systematic acquisition of factual information and data; to develop in the student the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide students with opportunities to practise and improve written and oral communication skills; to use computers effectively in the study of Virology.

Honours Course Prescription: Virology 4H consists of four 5-week options from the IBLS Honours Option Scheme, a Research Project and a Dissertation. Students must take two compulsory options and two other suitable options.

Course Co-ordinator: Dr Sheila Graham

509J ZOOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Students take four Honours Options, at least three of which must be from the recommended list. Research project during Terms 1 & 2 (or during the summer vacation plus the first part of Term 1).

Requirements of entry: At least grade D in Zoology 3H, normally at the first attempt.

Assessment: Experimental Design & Data Analysis (4%); essay (4%); project (17%); five x 3-hour examination papers (60%); carry forward (15%).

Degree Examination taken in: May/June

Aims: To provide you with a deep knowledge and understanding of specific aspects of Zoology; to provide you with an opportunity to use the basic practical skills acquired in Zoology-3H in such a way as to allow you to investigate by means of a Project a novel problem in Zoology; to develop skills relating to the systematic acquisition of factual information and data; to develop in you the ability to solve problems and to critically analyse, interpret and discuss factual information and data; to provide you with opportunities to practise and improve written and oral communication skills; to provide you with opportunities to practise and improve your use of computers in Zoology.

Honours Course Prescription: Zoology 4H consists of four 5-week options from the IBLS Honours Option Scheme, a Research Project, a General Zoology course and an Experimental Design & Data Analysis course. Students must choose at least three options from the approved list for the course and one other.

Course Co-ordinator: Prof Graeme Ruxton

0YBG ZOOLOGY 4H (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: As for Zoology-4H (509J): Lectures, project and seminars.

Requirements of entry: At least grade D in Zoology-3H (Combined), normally at the first attempt.

Assessment: Honours Project (50%), Two 3-hour degree examinations (50%)

Aims: To provide advanced knowledge and understanding of specific aspects of Zoology; To provide an opportunity to use the basic practical skills acquired in Zoology-3H in such a way as to allow students to investigate by means of a Project a novel problem in Zoology; To develop skills relating to the systematic acquisition of factual information and data; To develop the ability to solve problems and to critically analyse, interpret and discuss factual information and data; To provide opportunities to practise and improve written and oral communication skills; To provide opportunities to practise and improve use of computers in Zoology.

Honours Course Prescription: Two Honours Options from the approved list for the course; Honours project.

Course Co-ordinator: Prof Graeme Ruxton

Celtic

3YMU CELTIC CIVILISATION 1A

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday and Tuesday, 1.00-2.00 pm; Tutorial: Thursday OR Friday 1.00-2.00 pm

Assessment: Two essays (1500-2000 words), one worth 20% and the other 30%, and examination (2 hours), 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To enable students to get a coherent picture of salient aspects of the earlier history, institutions, society and culture of the Celtic peoples up to 400 A.D.; to enable students to understand and use critically the source material from which a picture of the ancient Celtic world may be formed.

Course Co-ordinator: Dr Katherine Forsyth

3YNU CELTIC CIVILISATION 1B

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday and Tuesday 1.00-2.00 pm; Tutorial: Thursday OR Friday 1.00-2.00 pm

Co-requisites: Normally, Celtic Civilisation 1A

Assessment: Two essays (1500-2000 words), each 25% and an examination (two hours), 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a coherent picture of salient aspects of the history, societies and culture of the Celtic peoples 400-1200 AD; to enable students to understand and use critically the source materials available for study of this period.

Course Co-ordinator: Ms Bronagh Ni Chonaill

162B GAELIC 1A

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures on Monday, Tuesday, Thursday, Friday at 11.00 am and 1 hour tutorial to be arranged.

Requirements of entry: A pass in Gaelic CSYS, or Higher Gaelic (Native Speakers), with good comprehension ability in the language.

Excluded Courses: Gaelic 1B; Gaelic 1C

Assessment: Essay in Gaelic on a topic relating to prose texts to be submitted by the end of week 12 (10%); Essay in Gaelic on a topic relating to poetry texts to be submitted by the end of week 20 (10%); Language practice exercises to be submitted on a weekly basis throughout the year (10%); Continuous assessment of oral competence in conversation class (5%); one 1-hour class test in week 12 (15%); one 2-hour examination paper at the end of the course (35%); an oral examination at the end of the course (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To broaden and deepen the four language skills (reading, writing, listening and speaking) in Gaelic; (2) to introduce a range of Gaelic prose and poetry; (3) to develop an understanding of the historical and social context of the literature studied; (4) to provide a linguistic description of aspects of the language; (5) to encourage the development of appropriate study skills.

Course Co-ordinator: Dr M Byrne

163B GAELIC 1B

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures on Monday, Tuesday, Thursday, Friday at 2.00 pm, plus one other tutorial hour to be arranged.

Excluded Courses: Gaelic 1A, Gaelic 1C

Assessment: Language practice exercises will be set twice a week throughout the year, based on the work covered in class (20%); 3 x 1-hour class tests in weeks 6, 12 & 18 (20%); an oral examination in week 12 (10%); one 2-hour examination at the end of the course (35%); oral examination at the end of the course (15%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to enable students to acquire basic language skills (speaking, listening, reading, writing) in Gaelic; (2) to introduce students to a range of appropriate vocabulary and to the grammatical framework of the language; (3) to study some Gaelic prose texts; (4) to give students an overview of the historical and sociolinguistic context of Gaelic and of the history of Gaelic literature.

Course Co-ordinator: Dr Sheila Kidd

4GWU GAELIC 1C

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures on Monday, Tuesday, Thursday, Friday at 1.00 pm and 1 further tutorial hour to be arranged.

Requirements of entry: Normally a pass in Higher Gaelic (Learners)

Excluded Courses: Gaelic 1A, Gaelic 1B

Assessment: Essay to be submitted by the end of Week 12 (10%); Review in Gaelic (c.600 words) to be submitted by the end of Week 20 (5%); Weekly language exercises (15%); Continuous assessment of oral competence in conversation class (5%); 1-hour class test in week 12 (15%); One 2-hour examination paper at the end of the course (35%); Oral examination at the end of the course (15%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To build on and develop existing Gaelic language skills (reading, writing, listening and speaking); to introduce students to a range of poetry and prose; to develop an understanding of the historical and social context of the literature studied; to adopt an integrated approach to language practice and oral classes which will reinforce vocabulary and grammar; to encourage the development of appropriate study skills.

Course Co-ordinator: Dr M Byrne

7FGV CELTIC CIVILISATION 2A

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday, Tuesday at 4.00 pm Tutorial: Thursday 10.00 am or 4.00 pm

Requirements of entry: Normally Celtic Civilisation 1A and 1B at grade D.

Co-requisites: Normally, Celtic Civilisation 2B

Assessment: Two essays (1500-2000 words), 25% each and examination (2 hours), 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: During the course we will (1) survey the political and cultural changes in Wales, Ireland and Scotland from 1066 until the union of the Scottish and English crowns; (2) compare the effects of political conquest and cultural influence on the status and nature of the relevant Celtic languages during this period; (3) discuss texts and artistic products of this period, and examine them as a source for social and cultural change.

Course Co-ordinator: Prof Thomas Clancy

7FHV CELTIC CIVILISATION 2B

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday, Tuesday 4.00 pm.; Tutorial: Thursday 10.00 am or 4.00 pm

Requirements of entry: Normally Celtic Civilisation 1A and 1B at grade D.

Co-requisites: Normally, Celtic Civilisation 2A

Assessment: Two essays (1500-2000 words), 25% each and examination (two hours), 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) to trace the developments in the histories of Gaelic Scotland, Ireland and Wales from c.1750 to the present day; (2) to introduce salient aspects of the distinctive institutions, cultures and literatures of Scottish Gaelic, Irish and Welsh societies in the period 1750 to the present; (3) to examine the common features and differing experiences of the three societies; (4) to examine the forces pertaining to language decline and linguistic and cultural revivals.

Course Co-ordinator: Prof Thomas Clancy

7FTV GAELIC 2A

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Lectures on Monday, Tuesday, Thursday, Friday at 3.00 pm plus one tutorial hour to be arranged.

Requirements of entry: Normally, Gaelic 1A at grade D, or Gaelic 1C at grade C

Excluded Courses: Gaelic 2B

Assessment: Essay in Gaelic, Week 12 (10%); Fortnightly linguistics exercises in Semester 2 (10%); Weekly language exercises (10%); Continuous assessment of oral competence in conversation class throughout the year (5%); 1-hour class test in week 12 (15%); one 2-hour examination paper at the end of the course (35%); an oral examination at the end of the course (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to extend the four language skills (reading, writing, listening and speaking) developed in Gaelic 1A or Gaelic 1C; (2) to extend students' vocabulary, with a particular emphasis on spoken Gaelic; (3) to introduce students to a range of Gaelic poetry from the period up to and including 1745 and to develop an understanding of the role of the poet in Gaelic society; (4) to study a range of functional Gaelic prose writings in terms of subject-matter and style; (5) to provide opportunities for students to write and translate functional texts; (6) to introduce students to aspects of Gaelic linguistics.

Course Co-ordinator: Dr Sheila Kidd

7FRV GAELIC 2B

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Lectures on Monday, Tuesday, Wednesday, Thursday, Friday at 1.00 pm and 1 further tutorial hour to be arranged.

Requirements of entry: Gaelic 1B at grade D

Excluded Courses: Gaelic 2A

Assessment: Two essays in Gaelic (25%). Weekly grammar exercises (15%); Continuous assessment of oral competence in conversation class (5%); Linguistic exercises (5%), One 2-hour examination paper at the end of the course (35%); Oral examination at the end of the course (15%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to build on and develop Gaelic language skills (reading, writing, listening and speaking) acquired in Gaelic 1B; (2) to introduce students to a wide range of poetry from the seventeenth to the twentieth centuries; (3) to read and discuss a range of fiction and non-fiction Gaelic texts from the twentieth century; (4) to study some of the main genres and trends in Gaelic literature since the sixteenth century; (5) to adopt an integrated approach to language practice and oral classes which will reinforce vocabulary and grammar; (6) to introduce students to aspects of Gaelic linguistics.

Course Co-ordinator: Dr Michel Byrne

4WCF CELTIC 3H (MEDIEVAL) (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: Normally a B grade in any three of Celtic Civilisation 1A, 1B, 2A and 2B: Gaelic 1A/1B/1C and Gaelic 2A/2B.

Assessment: Essays, seminars and end of year examinations.

Degree Examination taken in: May/June

Aims: To foster and develop the study of the Celtic languages and their associated cultures in an environment which integrates teaching and research; to develop a thorough knowledge and considered application of the target languages; to provide access to a range of learning resources for the purpose of studying languages, literatures and associated cultures; to impart to students an in-depth knowledge of the relevant cultures; to encourage and promote an appreciation of the Gaelic languages in an atmosphere conducive to the pursuit of scholarship; to develop opportunities for inter-institutional and international links; to encourage students to realise their potential, to work effectively, and to develop their ability to take responsibility for their learning in a climate responsive to their varied needs; to contribute towards the fulfilment of Faculty aims by providing broad educational possibilities in the Celtic languages and curricular flexibility, while promoting in-depth study; to enable students to acquire the necessary skills which will equip them as independent life-long learners, and provide added value to both employers and society

Honours Course Prescription: Eight courses over two years as directed by departmental guidelines. Dissertation; Sgilean Cànain; Bàrdachd agus Ar-a-mach; Seann 's Ùr ann am Bàrdachd na 18mh linn; Guth nam Ban 1450-1750; Am Bàrd Baile; Bàrdachd Cogaidh 1930-1950; Bàrdachd Gàidhlig o 1950; An 19mh linn tro shùilean nan Gaidheal; Fèin-Eachdraidh ann an Gàidhlig; Ficsean Gàidhlig san 20mh linn; The Gaelic Heroic Ballad; Historical development of Gaelic; Gaelic dialectology; Gaelic sociolinguistics; Introduction to Modern Irish; 20th century Irish Poetry; Introduction to Classical Gaelic; Dánta Grádha; The Gaelic Manuscript Tradition; Introduction to Early Gaelic (Old and Middle Irish); Early Gaelic Texts 1 (prose); Early Gaelic Texts 2 (poetry); Advanced Early Gaelic Texts 1; Advanced Early Gaelic Texts 2; Introduction to Medieval Welsh; Medieval Welsh Texts 1 (prose); Medieval Welsh Texts 2 (poetry); Advanced Medieval Welsh Texts 1; Iona, 563-present; Medieval Ireland 800-1100; The Celtic Place-Names of Scotland; Gaelic language in the Modern World; Cornwall and the Isle of Man; Early Gaelic Literature (in translation); Medieval Welsh Literature (in translation); The World of Dafydd ap Gwilym and Iolo Goch (texts in translation); Belief and Culture: Early Medieval Ireland and Scotland; Gaelic Ethnology and Oral Tradition; Courses taught through School of History and Archaeology: Picts and the formation of Alba; Early Medieval Gaeldom; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances.

Course Co-ordinator: Prof Thomas Clancy

4WCH CELTIC 3H (MEDIEVAL) (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: Normally a B grade in any three of Celtic Civilisation 1A, 1B, 2A and 2B; Gaelic 1A/1B/1C and Gaelic 2A/2B.

Assessment: Essays, seminars and end of year examinations.

Degree Examination taken in: May/June

Aims: To foster and develop the study of the Celtic languages and their associated cultures in an environment which integrates teaching and research; to develop a thorough knowledge and considered application of the target languages; to provide access to a range of learning resources for the purpose of studying languages, literatures and associated cultures; to impart to students an in-depth knowledge of the relevant cultures; to encourage and promote an appreciation of the Gaelic languages in an atmosphere conducive to the pursuit of scholarship; to develop opportunities for inter-institutional and international links; to encourage students to realise their potential, to work effectively, and to develop their ability to take responsibility for their learning in a climate responsive to their varied needs; to contribute towards the fulfilment of Faculty aims by providing broad educational possibilities in the Celtic languages and curricular flexibility, while promoting in-depth study; to enable students to acquire the necessary skills which will equip them as independent life-long learners, and provide added value to both employers and society.

Honours Course Prescription: Sixteen courses over two years as directed by departmental guidelines. Dissertation; Sgilean Cànain; Bàrdachd agus Ar-a-mach; Seann 's Ùr ann am Bàrdachd na 18mh linn; Guth nam Ban 1450-1750; Am Bàrd Baile; Bàrdachd Cogaidh 1930-1950; Bàrdachd Gàidhlig o 1950; An 19mh linn tro shùilean nan Gaidheal; Fèin-Eachdraidh ann an Gàidhlig; Ficsean Gàidhlig san 20mh linn; The Historical development of Gaelic; Gaelic dialectology; Gaelic sociolinguistics; Introduction to Modern Irish; 20th century Irish Poetry; Introduction to Classical Gaelic; Dánta Grádha; Introduction to Early Gaelic (Old and Middle Irish); Early Gaelic Poetry; Advanced Early Gaelic Texts Introduction to Medieval Welsh; Medieval Welsh Poetry; Advanced Medieval Welsh Texts; Iona,

563-present; ; The Celtic Place-Names of Scotland; Gaelic language in the Modern World; Early Gaelic Literature (in translation); Medieval Welsh Literature (in translation); The World of Dafydd ap Gwilym and Iolo Goch (texts in translation); Belief and Culture: Early Medieval Ireland and Scotland; Gaelic Ethnology and Oral Tradition; Courses taught through School of History and Archaeology: Picts and the formation of Alba; Early Medieval Gaeldom; Medieval Ireland 800-1100; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances.

Course Co-ordinator: Prof Thomas Clancy

4WDF CELTIC 3H (MODERN) (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: Students may be admitted into the Honours courses in Celtic if they have sucessfully attained: normally a B grade in Gaelic 1A/1C and Gaelic 2A or in Gaelic 1B and 2B

Assessment: Essays, seminars and end of year examinations.

Degree Examination taken in: May/June

Aims: To foster and develop the study of the Celtic languages and their associated cultures in an environment which integrates teaching and research; to develop a thorough knowledge and considered application of the target languages; to provide access to a range of learning resources for the purpose of studying languages, literatures and associated cultures; to impart to students an in-depth knowledge of the relevant cultures; to encourage and promote an appreciation of the Gaelic languages in an atmosphere conducive to the pursuit of scholarship; to develop opportunities for inter-institutional and international links; to encourage students to realise their potential, to work effectively, and to develop their ability to take responsibility for their learning in a climate responsive to their varied needs; to contribute towards the fulfilment of Faculty aims by providing broad educational possibilities in the Celtic languages and curricular flexibility, while promoting in-depth study; to enable students to acquire the necessary skills which will equip them as independent life-long learners, and provide added value to both employers and society

Honours Course Prescription: Eight courses over two years as directed by departmental guidelines. Dissertation; Sgilean Cànain; Bàrdachd agus Ar-a-mach; Seann 's Ùr ann am Bàrdachd na 18mh linn; Guth nam Ban 1450-1750; Am Bàrd Baile; Bàrdachd Cogaidh 1930-1950; Bàrdachd Gàidhlig o 1950; An 19mh linn tro shùilean nan Gaidheal; Fèin-Eachdraidh ann an Gàidhlig; Ficsean Gàidhlig san 20mh linn; The Gaelic Heroic Ballad; Historical development of Gaelic; Gaelic dialectology; Gaelic sociolinguistics; Introduction to Modern Irish; 20th century Irish Poetry; Introduction to Classical Gaelic; Dánta Grádha; The Gaelic Manuscript Tradition; Introduction to Early Gaelic (Old and Middle Irish); Early Gaelic Texts 1 (prose); Early Gaelic Texts 2 (poetry); Advanced Early Gaelic Texts 1; Advanced Early Gaelic Texts 2; Introduction to Medieval Welsh; Medieval Welsh Texts 1 (prose); Medieval Welsh Texts 2 (poetry); Advanced Medieval Welsh Texts 1; Iona, 563-present; Medieval Ireland 800-1100; The Celtic Place-Names of Scotland; Gaelic language in the Modern World; Cornwall and the Isle of Man; Early Gaelic Literature (in translation); Medieval Welsh Literature (in translation); The World of Dafydd ap Gwilym and Iolo Goch (texts in translation); Belief and Culture: Early Medieval Ireland and Scotland; Gaelic Ethnology and Oral Tradition; Courses taught through School of History and Archaeology: Picts and the formation of Alba; Early Medieval Gaeldom; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances.

Course Co-ordinator: Prof Thomas Clancy

4WDH CELTIC 3H (MODERN) (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: Normally a B grade in Gaelic 1A/1C and Gaelic 2A or in Gaelic 1B and 2B.

Assessment: Essays, seminars and end of year examination.

Degree Examination taken in: May/June

Aims: To foster and develop the study of the Celtic languages and their associated cultures in an environment which integrates teaching and research; to develop a thorough knowledge and considered application of the target languages; to provide access to a range of learning resources for the purpose of studying languages, literatures and associated cultures; to impart to students an in-depth knowledge of the relevant cultures; to encourage and promote an appreciation of the Gaelic languages and their in an atmosphere conducive to the pursuit of scholarship; to develop opportunities for inter-institutional and international links; to encourage students to realise their potential, to work effectively, and to develop their ability to take responsibility for their learning in a climate responsive to their varied needs; to contribute towards the fulfilment of Faculty aims by providing broad educational possibilities in the Celtic languages and curricular flexibility, while promoting in-depth study; to enable students to acquire the necessary skills which will equip them as independent life-long learners, and provide added value to both employers and society.

Honours Course Prescription: Sixteen courses or course equivalents over two years as directed by departmental guidelines. Dissertation; Sgilean Cànain; Bàrdachd agus Ar-a-mach; Seann 's Ùr ann am Bàrdachd na 18mh linn; Guth nam Ban 1450-1750; Am Bàrd Baile; Bàrdachd Cogaidh 1930-1950; Bàrdachd Gàidhlig o 1950; An 19mh linn tro shùilean nan Gaidheal; Fèin-Eachdraidh ann an Gàidhlig; Ficsean Gàidhlig san 20mh linn; Historical development of Gaelic; Gaelic dialectology; Gaelic sociolinguistics; Introduction to Modern Irish; 20th century Irish Poetry; Introduction to Classical Gaelic; Dánta Grádha; Introduction to Early Gaelic (Old and Middle Irish); Early Gaelic Poetry; Advanced Early Gaelic Texts; Introduction to Medieval Welsh; Medieval Welsh Poetry; Advanced Medieval Welsh Texts; Iona, 563-present; The Celtic Place-Names

of Scotland; Gaelic language in the Modern World; Early Gaelic Literature (in translation); Medieval Welsh Literature (in translation); The World of Dafydd ap Gwilym and Iolo Goch (texts in translation); Belief and Culture: Early Medieval Ireland and Scotland; Gaelic Ethnology and Oral Tradition; Courses taught through School of History and Archaeology: Picts and the formation of Alba; Early Medieval Gaeldom; Medieval Ireland 800-1100; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances.

Course Co-ordinator: Prof Thomas Clancy

6B2F CELTIC CIVILISATION 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: Normally a B grade in any three Celtic Civilisation 1A, 1B, 2A and 2B; Gaelic 1A/1B/1C and Gaelic 2A/2B.

Assessment: Essays, seminars and end of year examination.

Degree Examination taken in: May/June

Aims: To foster and develop the study of the Celtic languages and their associated cultures in an environment which integrates teaching and research; to develop a thorough knowledge and considered application of the target languages; to provide access to a range of learning resources for the purpose of studying languages, literatures and associated cultures; to impart to students an in-depth knowledge of the relevant cultures; to encourage and promote an appreciation of the Gaelic languages in an atmosphere conducive to the pursuit of scholarship; to develop opportunities for inter-institutional and international links; to encourage students to realise their potential, to work effectively, and to develop their ability to take responsibility for their learning in a climate responsive to their varied needs; to contribute towards the fulfilment of Faculty aims by providing broad educational possibilities in the Celtic languages and curricular flexibility, while promoting in-depth study; to enable students to acquire the necessary skills which will equip them as independent life-long learners, and provide added value to both employers and society.

Honours Course Prescription: Eight courses over two years as directed by departmental guidelines. Iona, 563-present; The Celtic Place-Names of Scotland; Gaelic Language in the Modern World; Early Gaelic Literature in translation; Medieval Welsh Literature in translation; The World of Dafydd ap Gwilym and Iolo Goch; Belief and Culture; Early Medieval Ireland and Scotland; Legal Traditions and Social Reflections; Dissertation; Sgilean Cànain; Introduction to Early Gaelic (Old and Middle Irish); Early Gaelic Poetry; Advanced Early Gaelic Texts; Introduction to Medieval Welsh; Medieval Welsh Poetry; Advanced Medieval Welsh Texts; Historical Development of Gaelic; Gaelic Dialectology; Gaelic Sociolinguistics; Introduction to Modern Irish; 20th century Irish Poetry; Modern Irish Prose; Introduction to Classical Gaelic; Dánta Grádha; Seann is Ùr ann am Bàrdachd na 18mh linn; Guth nam Ban 1450-1750; Am Bàrd Baile; Bàrdachd Cogaidh 1930-1950; Bàrdachd Ghàidhlig o 1950; An 19mh linn tro Shùilean nan Gaidheal; Fèin-Eachdraidh ann an Gàidhlig; Ficsean Gàidhlig san 20mh linn; Courses taught through School of History and Archaeology: Picts and the formation of Alba; Early Medieval Gaeldom; The Northern Britons 400-1100; Gaelic Scotland and the British State; The Highland Clearances; Medieval Ireland 800 - 1100.

Course Co-ordinator: Prof Thomas Clancy

110D GAELIC 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 3 hours per week (lectures); 1 hour per week (tutorial). Times to be arranged.

Requirements of entry: Gaelic 2A at grade D or Gaelic 2B at grade C

Assessment: An essay in Gaelic (1500 words) for the Honours course chosen in Semester 1 to be submitted by the end of week 9 (10%); an essay in Gaelic (1500 words) for the Honours course chosen in Semester 2 to be submitted by the end of week 19 (10%); Language practice exercises to be submitted fortnightly throughout the year (10%); An essay in Gaelic of at least 3000 words to be submitted by the end of Semester 2 (25%); continuous assessment of oral competence in conversation class throughout the year (5%); two two-hour examination papers at the end of the course (30%); an oral examination at the end of the course (10%). No scheme of exemption is operated.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to extend the four language skills (reading, writing, listening and speaking) developed in Gaelic 2A or 2B; (2) to extend students' vocabulary, in both written and spoken Gaelic; (3) to broaden students' knowledge of Gaelic poetry; (4) to broaden students' knowledge of Gaelic prose; (5) to encourage students to think critically about Gaelic literature and identify elements of continuity and innovation in the literature studied.

Course Co-ordinator: Dr Sheila Kidd

4WCG CELTIC 4H (MEDIEVAL) (JOINT)

(See: 4WCF CELTIC 3H (MEDIEVAL) (JOINT))

4WCJ CELTIC 4H (MEDIEVAL) (SINGLE)

(See: 4WCH CELTIC 3H (MEDIEVAL) (SINGLE))

4WDG CELTIC 4H (MODERN) (JOINT)

(See: 4WDF CELTIC 3H (MODERN) (JOINT))

4WDJ CELTIC 4H (MODERN) (SINGLE)

(See: 4WDH CELTIC 3H (MODERN) (SINGLE))

6B2G CELTIC CIVILISATION 4H (JOINT)

(See: 6B2F CELTIC CIVILISATION 3H (JOINT))

Central & East European Studies

237U CENTRAL AND EAST EUROPEAN STUDIES 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: 1 hour on Monday, Tuesday and Thursday at 4 p.m. each week

Assessment: Two essays of approx 2,000 words, each worth 25% of the final mark. Unseen examination, 2 hours, worth 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course will demonstrate the following: 1) the importance of the region to European development; 2) the impact of geography on regional development; 3) the complexity of the various ethnic groups of the region; 4) the historical development of Russia and Central Europe, including the role of the state and its relationship to society; 5) the importance of cultural development, the position of various socio-cultural groups and the politics of gender in the region; 6) the processes behind Stalinisation and 'communisation' in the region; 7) the impact of communism in its economic, social and political forms in the region and the differences between the experiences of various countries; 8) the reasons for the collapse of the communist system and its consequences.

Course Co-ordinator: Mr Richard Berry

237V CENTRAL AND EAST EUROPEAN STUDIES 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: 1 hour on Monday, Tuesday and Thursday at 2 p.m. each week

Requirements of entry: Applicants are considered for direct entry to second year on the basis of a student completing a cognate subject in Arts or Social Sciences. Besides Central and East European Studies Level 1, this will include Economics Level 1, History Level 1, Politics Level 1, Slavonic Studies Level 1 and Sociology Level 1. Applications from students with other level 1 subjects will be considered by the Head of Department.

Excluded Courses: N/A

Assessment: Two essays of approx 2,000 words, each worth 25% of the final mark. Unseen examination, 2 hours, worth 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course will demonstrate the following: The reasons for the collapse of the communist system and its consequences; the complexities behind the process of democratisation in the region including the relationship between state and citizen; the nature of economic and social change brought about in the 1990s; the nature of cultural politics, identity and gender in the transition era; changes in the media, literature and the arts; the importance of the region for Europe as a whole, including a focus on EU/Central East European relations.

Course Co-ordinator: Dr David Smith

9JYW CENTRAL & EAST EUROPEAN STUDIES 3: CIVIL SOCIETY AND STATE IN EAST CENTRAL

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly on Mondays 12 - 2 pm.

Requirements of entry: Grade D at level 2 Central and East European Studies

Assessment: 2 essays (circa 2,500 words each) each worth 25% of the final mark, plus a project resulting in an essay (circa 3,000 words) worth 50%.

Aims: The course aims to give students an understanding of the political issues and themes which have run through European politics since the end of the Second World War. The various dynamics of change between state policies and structures, and social politics and social movements are identified and analysed. This necessarily includes helping students to understand the developments in Central and Eastern Europe, which led to regime changes in 1989. The course should provide an analysis of the progress of the transitions to democracy in Central and Eastern Europe since 1989. Students will also have an opportunity to gain an in depth knowledge of how the processes connected with European integration have altered relationships between civil societies and states in East Central Europe.

Course Co-ordinator: Dr Clare McManus-Czubinska

9JZW CENTRAL & EAST EUROPEAN STUDIES 3: STATEHOOD, NATIONALITY AND IDENTITY

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly on Thursdays 9 - 11 am

Requirements of entry: Grade D at level 2 Central and East European Studies

Assessment: 2 essays (circa 2,500 words) each worth 25% of the final mark, plus a project resulting in an essay (circa 3,000 words) worth 50%.

Aims: To examine how the three Baltic peoples have responded to the challenges of state and nation-building and European reconstruction during the inter-war period and the more recent era of post-Soviet transition. To analyse the above issues in comparative perspective. To account for the divergent historical experiences of the Baltic States and Finland and the varying perspectives of these two actors on current region-building projects in the Baltic Sea Area. Through discussion of Baltic developments, to analyse critically aspects of the wider literature on nation, state and region-building, minority rights and ethnic conflict regulation in Central and Eastern Europe.

Course Co-ordinator: Dr David Smith

237F CENTRAL & EAST EUROPEAN STUDIES 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Various times.

Requirements of entry: Grade C in Central and East European Studies Level 2.

Assessment: The Department operates a split diet system of final honours examinations. This means that students taking honours options in the Department will sit final honours examinations in the same year as the option is taken, i.e. options taken in Junior Honours are examined at the end of the Junior Honours year, and options taken in Senior Honours are examined at the end of the Senior Honours year. Joint Honours students must take four options in the Department of Central and East European Studies. Two options are studied in the Junior Honours year and two are studied in Senior Honours. A dissertation on an approved topic may be substituted for one of the two papers taken in Senior Honours, but not if you are writing a dissertation for your other Honours subject.

Degree Examination taken in: May/June

Aims: The course aims to provide a multi-disciplinary approach to the region. Students are given a wide range of subject options based on different approaches to the subject area using a number of teaching methods. The diversity of options available allows students to benefit from the specialised knowledge of staff in areas particular to their research and from teaching methods tailored to the aims and objectives of the course studied. This includes access to complementary honours courses delivered by cognate departments. The programme will thus provide honours students with a range of courses from which to make an informed choice in Central and East European Studies as part of a joint honours programme.

Honours Course Prescription: Subject to availability, any four from: Civil Society and State in East Central Europe; Cultural Politics and Social Change in Soviet and Post-Soviet Russia; An Economic and Social History of Eastern Europe, 1918-1989; History of the USSR; Post-Soviet Russia: Renegotiating Global and Local Identities; Statehood, Nationality and Identity: The Baltic States since 1918. Or choose any three plus Dissertation. Students should note that no more than one recommended outside paper (30 credits) may be taken during the two years of Honours study. In cases where the outside paper is worth only 15 credits, students must mix and match with other courses to find another paper worth 15 credits to make a full (30 credit) Honours option. All outside papers have to be approved by the Head of Department and the course lecturer concerned.

Course Co-ordinator: Dr Moya Flynn

237G CENTRAL & EAST EUROPEAN STUDIES 4H (COMBINED)

(See: 237F CENTRAL & EAST EUROPEAN STUDIES 3H (COMBINED))

Chemistry

402B CHEMISTRY 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: 24 weeks of three or four lectures per week at 10.00 am or 3.00 pm; weekly laboratory (3 hours) starting at either 10.00 am or 2.00 pm; workshops and tutorials as arranged at 10.00 am or 3.00 pm.

Requirements of entry: Normally at least Higher Chemistry at grade B or equivalent.

Excluded Courses: General Chemistry-1, Science Fundamentals 1X/Y

Assessment: One 3-hour paper (50%), January examination (30%), practical mark (10%), assessments (10%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To broaden students' knowledge of the facts, theories, concepts, applications, development and importance of chemistry; to enhance skills in - handling numbers, units, equations, diagrams and abstract ideas; analysing data; prioritising information; making deductions; taking decisions; making and justifying proposals; and in communicating and reporting clearly; to provide a sound basis for those students who may decide to proceed to Honours in Chemistry or a related science; to encourage interest in the subject and its interaction with other sciences; to give experience in the safe and accurate handling of chemical substances and apparatus; to encourage development of learning strategies.

Course Co-ordinator: Dr Robert Hill

4N7B ENVIRONMENTAL SCIENCE 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures: Monday, Tuesday, Wednesday, Thursday, at 1.00 pm. One three hour laboratory session per week starting at 10.00 am or 2.00 pm.

Assessment: Three tests (30%), one one hour mid-session examination (10%), laboratory assessment (20%), end of session examination (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Environmental Science 1 aims to provide an introduction to the science of the environment and a broad basis for the specialist environmental sciences studies in laters years. It is taught by a team drawn from the Departments of Chemistry, Geographical and Earth Sciences, Physics and Astronomy and the Institute of Biomedical and Life Sciences using an integrated mulit-disciplinary approach. The course aims to cover a wide range of environmental topics in four sections:- The Physical World (e.g. the diversity of plants and

animals, animal ecology, human populations) Soils and Pollution (e.g. soils, environmental radioactivity, water pollution, the ozone layer) and Resources and Conservation (e.g. resource reserves, energy from biomass, green politics, vulnerable habitats).

Course Co-ordinator: Dr T Flowers

9XXU SCIENCE FUNDAMENTALS-1X

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Daily 10-11 or 3-4

Excluded Courses: Chemistry-1, Physics-1P/Q, Physics-1X/Y

Assessment: Two class tests (20%), coursework (20%), two-hour final examination (60%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide a broad understanding, at an introductory level, of the fundamentals of mathematics, statistics, physics and chemistry, particularly as they apply to living organisms. To encourage the acquisition of general scientific skills relating interpretation and discussion of factual information and data. To encourage a positive and inquisitive attitude to the personal investigation of science.

Course Co-ordinator: Dr Adrian Lapthorn

9XYU SCIENCE FUNDAMENTALS-1Y

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: 10-11 or 3-4 daily

Co-requisites: Science Fundamentals-1X

Excluded Courses: Chemistry-1, Physics-1P/Q, Physics-1X/Y

Assessment: Two class tests (20%), coursework (20%), two-hour final examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a broad understanding, at an introductory level, of the fundamentals of mathematics, physics and chemistry, particularly as they apply to living organisms. To encourage the acquisition of general scientific skills relating interpretation and discussion of factual information and data. To encourage a positive and inquisitive attitude to the personal investigation of science.

Course Co-ordinator: Dr Adrian Lapthorn

1RFP CHEMISTRY 2X

Credits: 30 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Tuesday, Thursday, and some Monday - 11.00 am; laboratory one 3 hour session (2.00-5.00 pm) per week; tutorials as arranged.

Requirements of entry: Grade D or above in Chemistry 1 or grade B or above in General Chemistry 1.

Assessment: One 3-hour paper. (50%); three class tests (20%); January Class examination (15%); practical work (10%), Interactive Teaching Units (5%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Following on from Chemistry-1 to consolidate students' knowledge of the facts, theories, concepts, applications, development and importance of fundamental molecular chemistry; to further enhance skills in - handling numbers, units, equations, diagrams and abstract ideas; analysing data; prioritising information; making deductions; taking decisions; making and justifying proposals; and in communicating and reporting clearly; to continue to provide a sound basis for those students who may decide to proceed to Honours in Chemistry or a related science; to encourage interest in the subject and its interaction with other sciences; to give further experience in the safe and accurate handling of chemical substances and apparatus; to encourage development of learning strategies; to generate awareness of chemical factors in industrial and other decision making processes.

Course Co-ordinator: Dr Justin Hargreaves

1RGP CHEMISTRY 2Y

Credits: 30 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Wednesday, Friday, and some Monday - 11.00 am; laboratory one 3 hour session (2.00-5.00 pm) per week; tutorials as arranged.

Requirements of entry: Grade D or above in Chemistry 1 or grade B or above in General Chemistry 1.

Assessment: One 3-hour paper. (50%); three class tests (20%); January Class examination (15%); practical work (10%), Interactive Teaching Units (5%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Following on from Chemistry-1 to consolidate students' knowledge of the facts, theories, concepts, applications, development and importance of the chemistry of the natural world; to further enhance skills in - handling numbers, units, equations, diagrams and abstract ideas; analysing data; prioritising information; making deductions; taking decisions; making and justifying proposals; and in communicating and reporting clearly; to continue to provide a sound basis for those students who may decide to proceed to Honours in Chemistry or a related science; to encourage interest in the subject and its interaction with other sciences; to give further experience in the safe and accurate handling of chemical substances and apparatus; to encourage development of learning strategies; to generate awareness of chemical factors in industrial and other decision making processes.

Course Co-ordinator: Dr Justin Hargreaves

5KUV ENVIRONMENTAL CHEMISTRY 2A - THE NATURAL ENVIRONMENT

Credits: 30 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday, Tuesday, Thursday, Friday - 13.00 (tutorials and class tests also at this time). Laboratory classes: Monday and Friday, 14.00 - 17.00.

Requirements of entry: Normally Grade D in Chemistry 1 or General Chemistry 1. Grade C in Environmental Science - 1 will be acceptable with an appropriate pre-university qualification in chemistry.

Excluded Courses: Environmental Chemistry 2E

Assessment: January examination (2 hours) (40%), two class tests (20%); laboratory reports (35%); other coursework (5%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course aims to describe the chemistry and functioning of the components of the natural environment, the interactions between these components and the processes which operate within and between them. This will provide an understanding of the chemistry of rocks, soils, sediments, water, air and living organisms. Particular attention will be paid to the processes which cause mobilisation or immobilisation of chemical species, their mobility and cycling between the different environmental components.

Course Co-ordinator: Dr Ian Pulford

5KWV ENVIRONMENTAL CHEMISTRY 2B - ENVIRONMENTAL SYSTEMS AND POLLUTION

Credits: 30 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday, Tuesday, Thursday, Friday - 13.00 (tutorials and class tests also at this time). Laboratory classes: Monday and Friday, 14.00 - 17.00.

Requirements of entry: Normally Grade D in Environmental Chemistry 2A

Excluded Courses: Environmental Chemistry 2E and Environmental Chemistry 2F

Assessment: May examination (2 hours) (40%), two class tests (20%); laboratory reports and project (35%); essay (5%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to describe the chemistry and behaviour of environmental systems and the effect of human activity on them.

Course Co-ordinator: Dr Ian Pulford

403H CHEMICAL PHYSICS 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories and tutorials to be arranged.

Requirements of entry: Physics 2X and 2Y at a grade point average of 10, Chemistry 2X and 2Y at a grade point average of 10. All normally at first diet of examinations.

Assessment: Examinations in chemistry (42.5%) and physics (33.3%); assessment of physics laboratory/IT skills (16.7%) and chemistry laboratory (7.5%).

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of modern aspects of inorganic & physical and theoretical chemistry and of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in chemical physics and its applications; (3) To develop the practical skills necessary for a chemical physicist by means of individual laboratory experiments, to provide training in scientific data analysis, and to give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, in the writing of reports on individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Heterogeneous catalysis; Coordination chemistry; Solid state chemistry; Biomolecular interactions; Quantum mechanics and symmetry; Kinetics; Spectroscopy; Diffraction; Photochemistry.

Course Co-ordinator: Dr Malcolm Kadodwala

0TMH CHEMICAL PHYSICS 3M

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, laboratories and tutorials to be arranged.

Requirements of entry: Physics 2X and 2Y at a grade point average of 14, Chemistry 2X and 2Y at a grade point average of 14, all normally at first diet of examination.

Assessment: Examinations in chemistry (42.5%) and physics (33.3%); assessment of physics laboratory/IT skills (16.7%) and chemistry laboratory (7.5%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Hetero-

geneous catalysis; Coordination chemistry; Solid state chemistry; Biomolecular interactions; Quantum mechanics and symmetry; Kinetics; Spectroscopy; Diffraction; Photochemistry

Course Co-ordinator: Dr Malcolm Kadodwala

0TLH CHEMICAL PHYSICS 3M*

Credits: 160 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials and laboratories at times to be arranged.

Requirements of entry: Physics 2X and 2Y at a grade point average of 14, Chemistry 2X and 2Y at a grade point average of 14, all normally at first diet of examination.

Assessment: Examinations in physics and chemistry components of course (80.0%); assessment of physics laboratory/IT skills (12.5%) and chemistry laboratory (7.5%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2; Heterogeneous catalysis; Coordination chemistry; Solid state chemistry; Biomolecular interactions; Quantum mechanics and symmetry; Kinetics; Spectroscopy; Diffraction; Photochemistry; Frontiers of chemistry.

Course Co-ordinator: Dr Malcolm Kadodwala

0TRN CHEMICAL PHYSICS MSCI: WORK PLACEMENT YEAR

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The placement year is the fourth year of the Chemical physics with work placement MSci degree, and lasts between 10-12 months.

Requirements of entry: Admission to the MSci Chemical Physics-3M* course; selection following interview; successful external application for placement; grade B or better at level 3M*.

Assessment: Oral presentation (23.5%) and project report (76.5%).

Aims: The placement year aims are to provide students with: Enhanced training in practical skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

Honours Course Prescription: The placement year involves a project carrried out in an industrial establishment or equivalent.

Course Co-ordinator: Dr Leroy Cronin

402H CHEMISTRY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 144 lectures at 9.00 am, 10.00 am and 11.00 am. Average of 12 hours laboratory work in afternoons and 2 tutorials at 10.00 am per week.

Requirements of entry: Grade D or above in Chemistry 2X and Chemistry 2Y

Assessment: Three 3-hour papers (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of chemistry, appropriate to an aspiring professional chemist.

Honours Course Prescription: Symmetry and Bonding; Organic Reactivity; Metals to Semiconductors; Structure and Properties; Bioorganic Chemistry; Advanced Inorganic Chemistry

Course Co-ordinator: Dr Andrew Freer

8RPF CHEMISTRY 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 72 lectures at 10.00 am and 11.00 am. Average 6 hours laboratory work in afternoons and 1 tutorial at 10.00 am per week.

Requirements of entry: Grade D or above in Chemistry-2X and Chemistry-2Y

Assessment: Three 1.5-hour papers (85%) and assessment of laboratory work (15%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay foundations for a wide and rigorous treatment of selected topics of chemistry.

Honours Course Prescription: As for selected parts of Chemistry-3H course.

Course Co-ordinator: Dr Andrew Freer

2YGH CHEMISTRY 3M

Credits: 140 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 169 lectures at 9.00 am, 10.00 am, 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

Requirements of entry: Normally grade B in Chemistry 2X and 2Y.

Assessment: Three 3-hour papers (80%), essay (5%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a broadly-based education and training in all branches of Chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

Honours Course Prescription: Symmetry and Bonding; Organic Reactivity; Metals to Semiconductors; Structure and Properties; Bioorganic Chemistry; Advanced Inorganic Chemistry; Frontiers of Modern Chemistry

Course Co-ordinator: Dr Andrew Freer

2YHW CHEMISTRY 3P SYMMETRY AND BONDING

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 9.00 a.m. and 11.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of molecular symmetry arguments in the context of the mathematical theory of groups and how this can be exploited to deduce valuable information about molecular properties, the elementary concepts of quantum mechanics and modern bonding theory, the principles of Kinetic theory.

Course Co-ordinator: Dr Andrew Freer

2YKW CHEMISTRY 3Q ORGANIC REACTIVITY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 9.00 am, 10.00 am and 11.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Essential Organic Chemistry 3

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the principles of retro-synthetic analysis and the mechanistic and stereochemical details of a range of synthetically useful reactions.

Course Co-ordinator: Dr Andrew Freer

2YMW CHEMISTRY 3R METALS TO SEMICONDUCTORS

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 9.00 am, 10.00 am and 11.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Essential Inorganic Chemistry 3

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the principles of the coordination chemistry of the transition elements, main group elements including electron deficient molecules, fluxionial molecules and pseudo benzenes; the structure and properties of solids.

Course Co-ordinator: Dr Andrew Freer

2YJW CHEMISTRY 3S STRUCTURE AND PROPERTIES

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 9.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop an understanding of reaction Kinetics; crystallographic symmetry, crystal structure analysis by diffraction methods and chemical applications of diffraction techniques; spectroscopy theory and techniques.

Course Co-ordinator: Dr Andrew Freer

2YLW CHEMISTRY 3T BIOORGANIC CHEMISTRY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 9.00 am,10.00 am and 11.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Essential Organic Chemistry 3; Organic Chemistry for Biology 3

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the principles of the range of natural products and their biosynthetic pathways; enantioselective and diastereoselective synthesis and determination of organic mechanisms.

Course Co-ordinator: Dr Andrew Freer

2YNW CHEMISTRY 3U ADVANCED INORGANIC CHEMISTRY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 9 am and 11.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Descriptive Inorganic/Medicinal Chemistry 3; Essential Inorganic Chemistry 3

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the principles of bio-inorganic chemistry and the chemistry of organometallic compounds with respect to type, bonding and reactivity; and catalysis and surface chemistry.

Course Co-ordinator: Dr Andrew Freer

2YPW CHEMISTRY 3V BIOPHYSICAL CHEMISTRY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 11.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the principles of the theoretical and experimental basis of intermolecular forces in complex, condensed systems and how this applies to the stabilisation of biomolecular structures and interactions; the biophysical techniques that are used to understand the structure of different classes of biological macromolecules; and the experimental techniques and theoretical background to the spectroscopic study of processes in solution, with reference to biomolecular structure and kinetics

Course Co-ordinator: Dr Andrew Freer

2YRW CHEMISTRY 3W INORGANIC/ MEDICINAL CHEMISTRY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 24 lectures at 9.00 am, 10.00 am and 11.00 am, 50 hours laboratory work in afternoons and 8 tutorials at 10.00 am.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Essential Inorganic Chemistry 3

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the principles of the role of the inorganic elements, primarily metal ions in biological processes; organometallic compounds with respect to type, bonding and reactivity; and the concepts of medicinal chemistry.

Course Co-ordinator: Dr Andrew Freer

4NTW CHEMISTRY 3X ESSENTIAL INORGANIC CHEMISTRY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: All lectures at 11.00 am. Laboratories in afternoons to suit other courses.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Metals to Semiconductors; Inorganic/Medicinal Chemistry; Advanced Inorganic Chemistry

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the basic principles of the chemistry of the main group elements and organometallic compounds and the coordination chemistry of the transition elements.

Course Co-ordinator: Dr Andrew Freer

4NYW CHEMISTRY 3Y ESSENTIAL ORGANIC CHEMISTRY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: All lectures at 11.00 am. Laboratories in afternoons to suit other courses.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Organic Chemistry 3; Bioorganic Chemistry 3; Organic Chemistry for Biology 3

Assessment: One 1.5-hour paper (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the basic principles of the mechanistic and stereochemical details of a range of synthetically useful reasons, determination of organic reaction mechanisms and the range of natural products and their biosynthetic pathways.

Course Co-ordinator: Dr Andrew Freer

4PGW CHEMISTRY 3Z ORGANIC CHEMISTRY FOR BIOLOGY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: All lectures at 11.00 am. Laboratories in afternoons to suit other courses.

Requirements of entry: Normally a Grade Point Average of 10 in Chemistry 2X and 2Y

Excluded Courses: Essential Organic Chemistry 3, Inorganic/Medicinal Chemistry 3/Bioorganic Chemistry 3

Assessment: One 1.5-hour paper (15%) and assessment of laboratory work (5%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To convey to the student the knowledge and understanding of the basic principles of medicinal chemistry; the principles of retro-synthetic analysis and the range of natural products and their biosynthetic pathways.

Course Co-ordinator: Dr Andrew Freer

6MBN CHEMISTRY MSCI: WORK PLACEMENT YEAR

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The placement year is taken between L3 and L4, and lasts between 10-12 months.

Requirements of entry: Normally first-time passes in Chemistry 2X and 2Y at grade B or better; selection following interview; successful external application for placement; grade B or better at level 3M and acceptance for level 4M.

Assessment: Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with other assessment pro-rata for the corresponding non-placement course.

Aims: The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

Course Co-ordinator: Dr Leroy Cronin

6LXN CHEMISTRY WITH EUROPEAN PLACEMENT MSCI: EUROPEAN PLACEMENT YEAR

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The placement year is taken between L3 and L4, and lasts between 10-12 months.

Requirements of entry: Normally first-time passes in Chemistry 2X and 2Y at Grade B or better; selection following interview; successful external application for placement; grade B or better at level 3M and acceptance for level 4M.

Assessment: Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with the other assessment pro-rata for the corresponding non-placement degree.

Degree Examination taken in: May/June

Aims: The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research; Opportunities to improve language skills.

Course Co-ordinator: Dr Leroy Cronin

0TWH CHEMISTRY WITH FORENSIC STUDIES 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 144 lectures at 9.00 am, 10.00 am, 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

Requirements of entry: At least grade D in Chemistry 2X and 2Y.

Assessment: Three 3-hour papers (85%) and assessment of laboratory work (15%).

Aims: To provide a broadly-based education and training in all branches of Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists.

Honours Course Prescription: Mechanistic Organic Chemistry; Organic Synthesis; Controlling Stereochemistry; Reactive Intermediates; Heterogeneous catalysis; Main Group Chemistry; Co-ordination Chemistry; Organometallic Chemistry; Bio-inorganic Chemistry; Biomolecular Interactions; Quantum Mechanics and Symmetry; Kinetics; Spectroscopy; Diffraction; Analytical variability and good laboratory practice; Analysis of environmental materials; Forensic toxicology.

Course Co-ordinator: Dr Andrew Freer

0TUH CHEMISTRY WITH FORENSIC STUDIES 3M

Credits: 140 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 169 lectures at 9.00 am, 10.00 am, 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

Requirements of entry: Normally grade B in both Chemistry 2X and 2Y.

Assessment: Three 3-hour papers (80%), essay (5%) and assessment of laboratory work (15%).

Aims: To provide a broadly-based education and training in all branches of Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

Honours Course Prescription: Mechanistic Organic Chemistry; Organic Synthesis; Controlling Stereochemistry; Reactive Intermediates; Heterogeneous catalysis; Main Group Chemistry; Co-ordination Chemistry; Organometallic Chemistry; Bio-inorganic Chemistry; Biomolecular Interactions; Quantum Mechanics and Symmetry; Kinetics; Spectroscopy; Diffraction; Analytical variability and good laboratory practice; Analysis of environmental materials; Forensic toxicology; Frontiers of chemistry.

Course Co-ordinator: Dr Andrew Freer

0UKN CHEMISTRY WITH FORENSIC STUDIES MSCI: WORK PLACEMENT YEAR

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The placement year is the fourth year of the Chemistry with Forensic Studies with Work Placement MSci degree, and lasts between 10-12 months.

Requirements of entry: Admission to the MSci Chemistry with Forensic Studies-3M course; selection following interview; successful external application for placement; normally grade B or better at level 3M.

Assessment: Oral presentation (23.5%) and project report (76.5%).

Aims: The placement year aims are to provide students with: Enhanced training in practical skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

Honours Course Prescription: The placement year involves a project carried out in an industrial establishment or equivalent.

Course Co-ordinator: Dr Leroy Cronin

4M7H CHEMISTRY WITH MEDICINAL CHEMISTRY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 144 lectures at 9.00 am, 10.00 am and 11.00 am. Average of 12 hours laboratory work in afternoons and 2 tutorials at 10.00 am per week.

Requirements of entry: Grade D or above in Chemistry 2X and Chemistry 2Y

Assessment: Three 3-hour papers (85%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Chemistry with Medicinal Chemistry, appropriate to an aspiring professional chemist.

Honours Course Prescription: Biophysical; Organic Reactivity; Metals to Semiconductors; Structure and Properties; Bio-organic Chemistry; Bioinorganic/Medicinal Chemistry

Course Co-ordinator: Dr Andrew Freer

2YHH CHEMISTRY WITH MEDICINAL CHEMISTRY 3M

Credits: 140 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 169 lectures at 9.00 am, 10.00 am 11.00 am and other times as arranged. Average 12 hours laboratory work in afternoons and 2 tutorials per week.

Requirements of entry: Normally grade B in Chemistry 2X and 2Y.

Assessment: Three 3-hour papers (80%), essay (5%) and assessment of laboratory work (15%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a broadly-based education and training in all branches of Chemistry with Medicinal Chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

Honours Course Prescription: Biophysical; Organic Reactivity; Metals from Biology to Semiconductors; Structure and Properties; Bio-organic Chemistry; Bioinorganic/Medicinal Chemistry; Frontiers of Modern Chemistry

Course Co-ordinator: Dr Andrew Freer

6LYN CHEMISTRY WITH MEDICINAL CHEMISTRY MSCI: EUROPEAN PLACEMENT YEAR

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The placement year is taken between L3 and L4, and lasts between 10-12 months.

Requirements of entry: Normally first-time passes in Chemistry 2X and 2Y at grade B or better; selection following interview; successful external application for placement; grade B or better at level 3M and acceptance for 4M.

Assessment: Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with other assessment pro-rata for the corresponding non-placement course.

Degree Examination taken in: May/June

Aims: The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research; Opportunities to improve language skills.

Course Co-ordinator: Dr Leroy Cronin

6MAN CHEMISTRY WITH MEDICINAL CHEMISTRY MSCI:WORK PLACEMENT YEAR

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The placement year is taken between L3 and L4, and lasts between 10-12 months.

Requirements of entry: Normally first-time passes in Chemistry 2X and 2Y at Grade B or better; selection following interview; successful external application for placement; grade B or better at level 3M and acceptance for level 4M.

Assessment: Oral presentation (23.5%) and project report (76.5%). Assessment contributes 18.5% towards final degree mark with other assessment pro-rata for the corresponding non-placement course..

Aims: The placement year aims are to provide students with: Enhanced training in practical chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

Course Co-ordinator: Dr Leroy Cronin

8K1H ENVIRONMENTAL BIOGEOCHEMISTRY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: GPA of 11 at end of Level 2 Earth Science; Completion of all credit-bearing Earth Science courses from Level 2 at Grade D or better. Environmental Chemistry 2A and 2B, at Grade D or better.

Excluded Courses: N/A

Assessment: Chemistry - Lab work (12.5%), Mid session examination (12.5%), end of session examination - two papers (25%). Geology - Theory and practical examination (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Biogeochemistry, appropriate to an aspiring professional environmental biogeochemist.

Course Co-ordinator: Dr Ian Pulford

7M6H ENVIRONMENTAL CHEMISTRY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures: 10.00 am and 11.00 am Monday, Tuesday, Thursday, Friday; Laboratories: 2.00-5.00 pm Tuesday and Thursday; Field trips to be arranged.

Requirements of entry: Normally grade D in both Environmental Chemistry 2A and 2B or Chemistry 2Y and 2X

Assessment: Laboratory work (20%); Project and field work (20%); Degree examination - four papers (60%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Chemistry, appropriate to an aspiring professional environmental chemist.

Honours Course Prescription: Taught every year: Analysis of Environmental Materials (inorganic), Analysis of Environmental Materials (chromatographic), Radiochemical Analysis, Experimental Skills, Pesticides. Taught in alternate years: Organic Waste Materials, Chemistry of Soil Processes, Industrial Crops, Pesticides A. or Reclamation of Contaminated and Derelict Land, Carbon and Nitrogen Cycling in the Environment, Pesticides B, Movement of Chemicals in the Environment.

Course Co-ordinator: Dr Ian Pulford

7PBW ENVIRONMENTAL CHEMISTRY 3V - ENVIRONMENTAL ANALYSIS 1

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures at 11.00 a.m. on Tuesday and Thursday.

Requirements of entry: Normally at least a grade D or above in Environmental Chemistry 2A and 2B and a grade point average of at least 10.

Assessment: One 3-hour paper (100%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a

wide and rigorous treatment of environmental chemistry, appropriate to an aspiring professional environmental chemist. Students should be able to demonstrate knowledge and broad understanding of aspects of analysis of environmental materials (inorganic) and radiochemical analysis.

Course Co-ordinator: Dr Ian Pulford

7PCW ENVIRONMENTAL CHEMISTRY 3W - ENVIRONMENTAL ANALYSIS 2

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures at 11.00 am on Tuesday and Thursday.

Requirements of entry: Normally at least grade D or above in Environmental Chemistry 2A and 2B and a grade point average of at least 10.

Assessment: One 3-hour paper (100%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of environmental chemistry, appropriate to an aspiring professional environmental chemist. Students should be able to demonstrate knowledge and broad understanding of aspects of analysis of environmental materials (chromatographic) and pesticide analysis.

Course Co-ordinator: Dr Ian Pulford

7PDW ENVIRONMENTAL CHEMISTRY 3X - ADVANCED ENVIRONMENTAL CHEMISTRY

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures at 11.00 a.m. on Monday and Friday.

Requirements of entry: Normally at least grade D or above in Environmental Chemistry 2A and 2B and a grade point average of at least 10.

Assessment: One 3-hour paper (100%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of environmental chemistry, appriopriate to an aspiring professional environmental chemist. Students should be able to demonstrate knowledge and broad understanding of aspects of data handling; laboratory safety and other experimental skills in environmental chemistry.

Course Co-ordinator: Dr Ian Pulford

7PEW ENVIRONMENTAL CHEMISTRY 3Y - PRACTICAL ENVIRONMENTAL CHEMISTRY 1

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Laboratory project work and field work at times to be arranged.

Requirements of entry: Normally at least grade D or above in Environmental Chemistry 2A and 2B and a grade point average of at least 10.

Assessment: Assessment of reports for laboratory project and field work (100%)

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of environmental chemistry, appropriate to an aspiring professional environmental chemist. Students should be able to demonstrate knowledge and broad understanding of central facts and the experimental basis of modern environmental chemical analysis. They should be able to solve problems of a numerical or logical nature in the context of this understanding and demonstrate practical skills in environmental chemical techniques. In addition, students will be expected to obtain information from written and electronic archived material, to interpret critically this information and show ability in both written and oral skills.

Course Co-ordinator: Dr Ian Pulford

7PFW ENVIRONMENTAL CHEMISTRY 3Z - PRACTICAL ENVIRONMENTAL CHEMISTRY 2

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Laboratories Tuesday and Thursday p.m.

Requirements of entry: Normally at least grade D or above in Environmental Chemistry 2A and 2B and a grade point average of at least 10.

Assessment: Continuous assessment of reports for laboratory work (100%)

Aims: To provide students with a broad scientific education at tertiary level an lay the foundations for a wide and rigorous treatment of environmental chemistry, appriopriate to an aspiring professional environmental chemist. Students should be able to demonstrate knowledge and broad understanding of the central facts and the experimental basis of modern environmental chemical analysis. They should be able to solve problems of a numerical or logical nature in the context of this understanding and demonstrate practical skills in environmental chemical techniques. In addition, students will be expected to obtain information from written and electronic archived material, to interpret critically this information and show ability in both written and oral skills.

Course Co-ordinator: Dr Ian Pulford

5YTH ENVIRONMENTAL CHEMISTRY AND GEOGRAPHY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Year 3: Monday 10.00; Monday 11.00 (weeks 1-10); Tues, Thurs, Fri 10.00 (weeks 1-15); Tues,

Thurs 9.00 (weeks 1-10). Option course during semester 2: Mon/Wed/Thurs 11.00-1.30; Tues. Wed. Thurs. 1400-1700 (weeks 1-10), Easter Vacation Field Work semester 2 field work 6 days. Year 4: Tues, Thurs, Fri 10.00 (weeks 1-15); Mon 10.00 (weeks 1-10); Mon 12.00 (weeks 1-10); Tues 11.00 (weeks 1-10). 2 option courses (semester 2) Dissertation fieldwork as scheduled; Laboratory project as scheduled.

Requirements of entry: Normally Environmental Chemistry 2A - D; Environmental Chemistry 2B - D; Geography 2 C; Exceptionally Geography 2 high D.

Assessment: Chemistry (Environmental) Third Year: Jun 3 hr exam 6; Jun 3 hr exam 9; Continuous assessment 13; Final Year: Jun 1.5 hr exam 6; Jun 2 hr exam 9; Jun 1.5 hr essay paper 6; Project 27. Geography: Third Year Jun 3 hr exam 18; Continuous assessment field work project 13; Laboratory continuous assessment 9; Final Year: Jun. 3 hr exam plus continuous assessment 18; Jun 3 hr exam plus continuous assessment 18; Jun 1.5 hr essay paper 6. Dissertation 18.

Degree Examination taken in: May/June

Aims: This degree course, taught jointly by the Chemistry (environmental) and Geographical and Earth Sciences Departments, will provide an integrated approach to the physical environment via an appreciation of the structure of surface environments, their dynamics and their management for the sustainable use of their resources. The degree course will give students specific experience in, and an understanding of, the landforming processes and resources of surface environments and the ways in which these have changed in the past and may change in the future (eg polar, coastal, fluvial, glacial, arid); and the sustainable use of environments. This programme of work aims to: stimulate an appreciation in the student of the importance of the surface environment; equip the student with a fundamental understanding of the nature and functioning of the surface environment and the effects of anthropogenic activity on it; provide the student with an advanced level of training, laboratory skills, field skills and critical assessment which allows them to gain employment in the broad area of the environmental industry.

Honours Course Prescription: Selected parts of Environmental Chemistry 3H/4H and Geography 3H/4H courses.

Course Co-ordinator: Dr Ian Pulford

9FVN ENVIRONMENTAL CHEMISTRY WITH WORK PLACEMENT (WP YEAR)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Length and timing of work placements vary. Normally 9 - 10 months.

Degree Examination taken in: August/September

Aims: The placement year aims are to provide students with: Enhanced training in practical environmental chemistry skills; Experience of alternative professional environments; Opportunities for enhancing communication skills; Opportunities for demonstrating initiative in a practical environment; First-hand experience of scientific research.

Honours Course Prescription: Work placement with various companies involving environmental and analytical chemistry

Course Co-ordinator: Dr Ian Pulford

5KXW GEOGRAPHY, CHEMISTRY AND THE ENVIRONMENT 3

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday - 10.00; Monday - 11.00 (weeks 1-10); Tues, Thurs, Fri - 10.00 (weeks 1-15); Tues, Thur - 9.00 (weeks 1-10); Option course during semester 2: Mon/Wed/Thurs - 11.00-13.00; Tues, Wed, Thurs - 14.00-17.00 (weeks 1-10); Easter vacation field work; field work 6 days.

Requirements of entry: Normally, Environmental Chemistry 2A - D; Environmental Chemistry 2B - D; Geography 2 - D.

Assessment: Chemistry (Environmental): Third Year Jun 3 exam 8; Jun 3 hr exam 12; continuous assessment 19; total 55. Geography: Jun 3 hr exam 21, plus continuous assessmeent, field project: 12; laboratory continuous assessment 12; total 45.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to provide an integrated approach to the physical environment giving students specific experience in, and an understanding of, the landforming processes and resources of surface environments and the ways in which these have changed in the past and may change in the future (eg polar, coastal, fluvial, glacial, arid); the chemical processes within the surface environment; pollution sources and remediation; and the sustainable use of environments. In addition students will gain transferable skills throughout the course and in particular in the Geographical Techniques and Experimental Design and Data Handling courses: IT skills; presentational skills; group and individual working; chemical analysis; laboratory safety; experimental design, data handling and presentation; field working.

Course Co-ordinator: Dr Ian Pulford

403J CHEMICAL PHYSICS 4H (BSC)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials and laboratories as arranged.

Requirements of entry: Grade A-D pass in Chemical Physics 3H at the preceding May/June examination diet.

Assessment: Examinations in chemistry and physics components (79.2%); Physics level 3 laboratory assessment (8.3%); project (12.5%).

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of modern aspects of inorganic & physical and theoretical chemistry and of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in chemical physics

and its applications; (3) To develop the practical skills necessary for a chemical physicist by means of individual laboratory experiments, to provide training in scientific data analysis, and to give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, in the writing of reports on individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

Honours Course Prescription: Chemistry: Collids and macromolecules; Thermodynamics; Surface science; Inorganic mechanisms; Homogeneous catalysis; Molecular recognition; simple fluorides; Electrochemistry; Biomolecular separations. Physics: Electromagnetism 1; two from the following: Solid State; Nuclear and Particle Physics; Atomic Systems; 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Dr Malcolm Kadodwala

0TNJ CHEMICAL PHYSICS 4M

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials and laboratories as arranged.

Requirements of entry: Grade A-D pass at 3M Chemical Physics normally at the May/June examination diet.

Assessment: Examinations corresponding to the chemistry and physics course components (100%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Chemistry: Frontiers of chemistry; Colloids & Macromolecules; Thermodynamics; Surface Science; Inorganic Mechanisms; Homogeneous Catalysis; Processing Chemical Data; Heterogeneous Catalysis; Physical Chemistry of Polymers; Molecular Simulation. Physics: Electromagnetism 1; Mathematical Methods 2. Two from list: Solid State; Nuclear and Particle Physics; Atomic Systems. 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Dr Malcolm Kadodwala

0TPJ CHEMICAL PHYSICS 4M*

Credits: 160 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials and laboratories as arranged.

Requirements of entry: Grade A-D pass at 3M* Chemical Physics normally at the May/June examination diet.

Assessment: Examinations in chemistry and physics components; (83.3%); Physics level 3 laboratory assessment (5.6%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical and chemical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Chemistry: Colloids & Macromolecules; Thermodynamics; Surface Science; Inorganic Mechanisms; Homogeneous Catalysis; Processing Chemical Data; Heterogeneous Catalysis; Physical Chemistry of Polymers; Molecular Simulation; Molecular Recognition; Metal Oxides as Advanced Materials; Simple Fluorides - Reactivity and Catalysis; Electrochemistry; Biomolecular Separations; Vibrational Spectroscopy; Applications of Synchotron Radiation; Molecular Magnetism; Modern Techniques in Surface Science Physics: 2 options from the list: Solid State; Nuclear and Particle Physics; Atomic Systems; 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Malcolm Kadodwala

0TQJ CHEMICAL PHYSICS 5M

Credits: 80 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials and laboratories as arranged.

Requirements of entry: Grade A-D pass at 4M Physics (single) at May/June examination diet.

Assessment: Examinations in chemistry and physics components; (83.3%); Physics level 3 laboratory assessment (5.6%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical and chemical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Chemistry: Molecular Recognition; Metal Oxides as Advanced Materials; Simple Fluorides - Reactivity and Catalysis; Electrochemistry; Biomolecular Separations; Vibrational Spectroscopy; Applications of Synchotron Radiation; Molecular Magnetism; Modern Techniques in Surface Science. Physics: 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Dr Malcolm Kadodwala

0TSJ CHEMICAL PHYSICS 5M* (WP)

Credits: 160 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials and laboratories as arranged.

Requirements of entry: Grade A-D pass at 3M* Chemical Physics normally at the May/June examination diet.

Assessment: Examinations in chemistry and physics components (61.4%); M project (6.8%); third year physics laboratory (4.5%); work placement year (27.3%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern chemical physics at a level appropriate for a professional chemical physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern chemical physics; (3) To provide further training and experience in the principles and practice of physical and chemical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Chemistry: Colloids & Macromolecules; Thermodynamics; Surface Science; Inorganic Mechanisms; Homogeneous Catalysis; Processing Chemical Data; Heterogeneous Catalysis; Physical Chemistry of Polymers; Molecular Simulation; Molecular Recognition; Metal Oxides as Advanced Materials; Simple Fluorides - Reactivity and Catalysis; Electrochemistry; Biomolecular Separations; Vibrational Spectroscopy; Applications of Synchotron Radiation; Molecular Magnetism; Modern Techniques in Surface Science Physics: 2 options from the list: Solid State; Nuclear and Particle Physics; Atomic Systems; 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 1 option from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Malcolm Kadodwala

402J CHEMISTRY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 136 lectures; Research project, 15 weeks. (20 hours per week); Tutorials (29 hours).

Requirements of entry: Grade D or better in Chemistry 3H

Assessment: Four 3-hour papers (72.7%); thesis (18.2%); carry-over of marks from 3H (9.1%); oral at discretion of examiners.

Degree Examination taken in: May/June

Aims: To provide students with a broad scientific education at tertiary level, together with a wide and rigorous treatment of Chemistry, appropriate for an aspiring

professional chemist.

Honours Course Prescription: Molecular Spectroscopy; Colloids and macromolecules; Surface Science; Main Group Organometallics; Reactivity of Organometallics; Heterogeneous Catalysis; Organic Synthesis; Heterocyclic Systems. Options from: Statistical Thermodynamics; Modern Molecular Calculations; Laser Spectroscopy; Protein Structures - Design & Engineering; Chirality; Homogeneous Catalysis; Simple Fluorides - Reactivity & Catalysis; Solid State Chemistry; Anti-Cancer Drugs; Modern Synthetic Methods; Asymmetric Synthesis; Enzymes.

Course Co-ordinator: Dr Louis Farrugia

8RQG CHEMISTRY 4H (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 68 lectures; Research project 15 weeks (10 hours per week); Tutorials 15 hours.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level, together with a wide and rigorous treatment of selected topics of chemistry.

Honours Course Prescription: As for selected parts of the Chemistry-4H full course.

Course Co-ordinator: Dr Louis Farrugia

2YGJ CHEMISTRY 4M

Credits: 160 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 160 lectures; Research project, 20 weeks (20 hours per week); 29 tutorials as arranged.

Requirements of entry: Normally grade B in Chemistry 3M.

Assessment: Carry over from 3M (6.6%); essays (8%); five 3 hour papers (66.7%); research project (13.3%) and oral presentation (5.3%).

Degree Examination taken in: May/June

Aims: To provide a broadly-based education and training in all branches of advanced Chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

Honours Course Prescription: Molecular Spectroscopy; Colloids and macromolecules; Surface Science; Main Group Organometallics; Reactivity of Organometallics; Heterogeneous Catalysis; Organic Synthesis; Heterocyclic Systems. Options from: Statistical Thermodynamics; Modern Molecular Calculations; Laser Spectroscopy; Protein Structures - Design & Engineering; Chirality; Homogeneous Catalysis; Simple Fluorides - Reactivity & Catalysis; Solid State Chemistry; Anti-Cancer Drugs; Modern Synthetic Methods; Asymmetric Synthesis; Enzymes.

Course Co-ordinator: Dr Louis Farrugia

0TXH CHEMISTRY WITH FORENSIC STUDIES 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 112 lectures; Research project, 16 weeks (20 hours per week); 29 tutorials as arranged.

Requirements of entry: Normally grade D in Chemistry with Forensic Studies 3H.

Assessment: Carry over from 3H (7.7%); Examinations (76.9%); research project (15.4%).

Aims: To provide a broadly-based education and training in all branches of advanced Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists.

Honours Course Prescription: Spectroscopic Techniques; Heterocyclic Systems; Advanced Organic Synthesis; Colloids & Macromolecules; Thermodynamics; Nanoscience; Reactivity of Transition Metal Organometallic Compounds; Inorganic Mechanisms; Homogeneous catalysis; Options from list in course handbook including Forensic and Analytical options; Project on a topic relating to Forensic or Analytical Chemistry.

Course Co-ordinator: Dr Louis Farrugia

0UGJ CHEMISTRY WITH FORENSIC STUDIES 4M

Credits: 160 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 168 lectures; Research project, 20 weeks (20 hours per week); 29 tutorials as arranged.

Requirements of entry: Normally at least grade B in Chemistry with Forensic Studies 3M.

Assessment: Carry over from 3M (5.6%); work placement assessment (19.1%); essay (3.4%); examinations (56.2%); research project (11.2%) and oral presentation (4.5%).

Aims: To provide a broadly-based education and training in all branches of advanced Chemistry and analytical and forensic techniques appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

Honours Course Prescription: Heterocyclic Systems; Pericyclic Reactions; Advanced Organic Synthesis; Colloids & Macromolecules; Thermodynamics; Nanoscience; Reactivity of Transition Metal Organometallic Compounds; Inorganic Mechanisms; Homogeneous catalysis; Processing Chemical Data; Heterogeneous Catalysis; Advanced Retrosynthesis; Inorganic Supramolecular Chemistry; Physical Chemistry of Polymers; Asymmetric Synthesis; Molecular Simulation; Metals in Medicine; Enzyme Catalysis in Organic Reactions; Options from list in course handbook including Forensic and Analytical options; Project on a topic relating to Forensic or Analytical Chemistry.

Course Co-ordinator: Dr Louis Farrugia

4M7J CHEMISTRY WITH MEDICINAL CHEMISTRY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 136 lectures; Research project, 15 weeks. (20 hours per week); Tutorials (29 hours).

Requirements of entry: Grade D or better in Chemistry with Medicinal Chemistry 3H

Assessment: Three 3-hour papers and 2 one and a half hour papers (72.7%); thesis (18.2%); carry-over of marks from 3H (9.1%); oral at discretion of examiners.

Degree Examination taken in: May/June

Aims: To provide students with a broad scientific education at tertiary level, together with a wide and rigorous treatment of Chemistry with Medicinal Chemistry, appropriate for an aspiring professional chemist.

Honours Course Prescription: Pharmacology; Medicinal Chemistry; Organic Synthesis I; Industrial Medicinal Chemistry; Aromatic Systems; Reactivity of Organometallics; Biophysical Chemistry; Organic Synthesis II. Options from: Statistical Thermodynamics; Chem/Pharmacology of Anti-Cancer Drugs; Chirality; Simple Fluorides - Reactivity & Catalysis; CNS Pharmacology - Neurotransmitters and Disease; Protein Structures - Design & Engineering; Modern Synthetic Methods; Solid State Chemistry - Materials & Microstructure; Laser Spectroscopy; Asymmetic Synthesis; Homogeneous Catalysis; Modern Molecular Calculations; Enzymes in Organic Chemistry

Course Co-ordinator: Dr Louis Farrugia

2YHJ CHEMISTRY WITH MEDICINAL CHEMISTRY 4M

Credits: 160 *Level:* 4

When Taught: Full Session (September - June)

Timetable: 160 lectures; Research project, 20 weeks (20 hours per week); 29 tutorials as arranged.

Requirements of entry: Normally grade B in Chemistry with Medicinal Chemistry 3M.

Assessment: Carry over from 3M (6.7%); essay (4%); five 3-hour papers (66.7%); Research project (13.3%) and oral presentation (5.3%).

Degree Examination taken in: May/June

Aims: To provide a broadly-based education and training in all branches of advanced chemistry with medicinal chemistry appropriate for those who will become professional chemists working probably in a research environment, together with specialisations in areas of the subject where significant advances and developments are currently being made, with enhancement of professional skills.

Honours Course Prescription: Pharmacology; Medicinal Chemistry; Organic Synthesis I; Industrial Medicinal Chemistry; Aromatic Systems; Reactivity of Organometallics; Biophysical Chemistry; Organic Synthesis II. Options from: Statistical Thermodynamics; Chem/Pharmacology of Anti-Cancer Drugs; Chirality; Simple Fluorides - Reactivity & Catalysis; CNS Pharmacology - Neurotransmitters and Disease; Protein Structures - Design & Engineering; Modern Synthetic Methods; Solid State Chemistry - Materials & Microstructure; Laser Spectroscopy; Asymmetic Synthesis; Homogeneous Catalysis; Modern Molecular Calculations; Enzymes in Organic Chemistry

Course Co-ordinator: Dr Louis Farrugia

8K1J ENVIRONMENTAL BIOGEOCHEMISTRY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Level 3 Environmental Biogeochemistry at Grade D or better

Co-requisites: N/A

Excluded Courses: N/A

Assessment: Chemistry - Level 3 carry over (20%), Project (10%), Degree papers 1-3 (20%) Geology - Level 3 carry over (20%), Project and Fieldwork (10%), Degree papers (20%).

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of advanced Environmental Biogeochemistry, appropriate to an aspiring professional environmental biogeochemist.

Honours Course Prescription: Selected parts of Environmental Chemistry 4H and Earth Science 4H.

Course Co-ordinator: Dr Ian Pulford

7M6J ENVIRONMENTAL CHEMISTRY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D or better in Environmental Chemistry 3H

Assessment: The Final Year assessment is based on a 30% carry over from level 3, one Final Year project and 4 Final Year examination papers. Level 3 carry over (30%), Project (30%), Degree papers 1-4 (40%).

Degree Examination taken in: May/June

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Chemistry, appropriate to an aspiring professional environmental chemist. Also to provide its graduates with a highly marketable skills in the chemical analysis of environmental materials.

Honours Course Prescription: Taught every year: Atmospheric Pollution, Water pollution, Radionuclides in the Environment, Stable Isotopes in Environmental Studies. Taught in alternate years: Organic Waste Materials, Chemistry of Soil Processes, Industrial Crops, Pesticides A. or Reclamation of Contaminated and Derelict Land, Carbon and Nitrogen Cycling in the Environment, Pesticides B, Movement of Chemicals in the Environment.

Course Co-ordinator: Dr Ian Pulford

1BDJ ENVIRONMENTAL CHEMISTRY 4M

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D or better in Environmental Chemistry 3H

Assessment: The Final Year assessment is based on a 30% carry over from level 3, one Final Year project and 3 Final Year examination papers. Level 3 carry over (30%), Project (30%), Degree papers 1-3 (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with a broad scientific education at tertiary level and lay the foundations for a wide and rigorous treatment of Environmental Chemistry, appropriate to an aspiring professional environmental chemist. Also to provide its graduates with a highly marketable skills in the chemical analysis of environmental materials. Students on this course subsequently complete a work placement year.

Honours Course Prescription: Taught every year: Atmospheric Pollution, Water pollution, Radionuclides in the Environment, Stable Isotopes in Environmental Studies. Taught in alternate years: Organic Waste Materials, Chemistry of Soil Processes, Industrial Crops, Pesticides A. or Reclamation of Contaminated and Derelict Land, Carbon and Nitrogen Cycling in the Environment, Pesticides B, Movement of Chemicals in the Environment.

Course Co-ordinator: Dr Ian Pulford

5YTJ ENVIRONMENTAL CHEMISTRY AND GEOGRAPHY 4H

(See: 5YTH ENVIRONMENTAL CHEMISTRY AND GEOGRAPHY 3H)

Classics

7XKU CLASSICAL CIVILISATION 1A: ATHENS IN THE AGE OF THE SOPHISTS

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Thursday and Friday at 3pm; and fortnightly tutorials

Requirements of entry: None

Co-requisites: None

Excluded Courses: 2GTU Classical Civilisation 1B (2000-01 and earlier)

Assessment: Two essays (20% each), end of course examination (60%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: 1. To introduce students to the literature, history, and culture of Athens in the second half of the fifth century BC. 2. To explore the sources available for the study of the period and the variety of methods appropriate to their study. 3. To encourage students to understand works of literature and art in the historical, cultural, and intellectual context.

Course Co-ordinator: Dr Ronald Knox

7XLU CLASSICAL CIVILISATION 1B: IMPERIAL ROME

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Thursday and Friday at 3pm; and fortnightly tutorials

Requirements of entry: None

Co-requisites: None

Excluded Courses: May not be combined with 3YRV Classical Civilisation 2B (2001-2 and earlier)

Assessment: Two essays (20% each), end of course examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. To introduce students to the literature, history, and culture of Imperial Rome in the years AD 54-117. 2. To explore the sources available for the study of the period and the variety of methods appropriate to their study. 3. To encourage students to understand works of literature and art in their historical, cultural, and intellectual context.

Course Co-ordinator: Dr Costas Panayotakis

116B GREEK 1A

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Monday, Tuesday, Thursday, Friday - at 11 am

Requirements of entry: None

Co-requisites: None

Excluded Courses: Greek 1A (1999-2000)

Assessment: Two class tests (20% each), end of course examination (60%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to the language of classical Greece

Course Co-ordinator: Mrs Linda Knox

2HHU GREEK 1B

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Monday, Tuesday, Thursday, Friday - at 11 am

Requirements of entry: Satisfactory completion of Greek 1A, or at the discretion of the Head of Department

Co-requisites: None

Excluded Courses: Greek 1B (1999-2000).

Assessment: Two class tests (20% each), end of course examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To advance your understanding of the language of classical Greece

Course Co-ordinator: Mrs Linda Knox

2HLU LATIN 1A: BEGINNING LATIN

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Daily - 9.00 am; lectures and weekly tutorials.

Requirements of entry: None

Co-requisites: None

Excluded Courses: 2HNU Latin 1C

Assessment: Two class tests (20% each), end of course examination (60%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to the grammar and syntax of the Latin language and to lay the basis for the acquisition of necessary vocabulary.

Course Co-ordinator: Dr Gideon Nisbet

2HMU LATIN 1B: READING LATIN

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Daily 9.00 am

Requirements of entry: Satisfactory completion of Latin 1A, or at the discretion of the Head of Department

Co-requisites: None

Excluded Courses: 2HPU Latin 1D

Assessment: Two class tests (20% each), end of course examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To improve your grasp of the language and develop your skills in the reading of Latin; to understand the aims, background and subject-matter of the prescribed classical authors.

Course Co-ordinator: Dr Gideon Nisbet

2HNU LATIN 1C: INTRODUCTORY READING OF LATIN

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Daily 9.00 am

Requirements of entry: SCE Higher Level or equivalent

Co-requisites: None

Excluded Courses: 2HLU Latin 1A.

Assessment: Two class tests (20% each), end of course examination (60%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To develop your ability in reading Latin authors, with due attention to grammar, style and vocabulary, and to understand the aims, background and subject matter of chosen authors

Course Co-ordinator: Prof Roger Green

2HPU LATIN 1D: READING LATIN (ADVANCED)

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Daily - 9.00 am

Requirements of entry: Satisfactory completion of Latin 1C, or at the discretion of the Head of Department

Co-requisites: None

Excluded Courses: 2HMU Latin 1B

Assessment: Two class tests (20% each), end of course examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop your skills in the reading of Latin and improve your grasp of the language; to understand the aims, background and subject matter of the prescribed authors.

Course Co-ordinator: Prof Roger Green

7XKV CLASSICAL CIVILISATION 2A: GREEK & ROMAN EPIC & DRAMA

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Wednesday and Thursday at 1pm; and fortnightly tutorials

Requirements of entry: Grade D or above in one of the following: Classical Civilisation 1A; Classical Civilisation 1B; Classical Greek Civilisation 1 (DACE Module 1 or 2): Latin 1A, 1B, 1C, 1D, Greek 1A, 1B or a course in level 1 in Archaeology, Civil Law, or Religion.

Co-requisites: None

Excluded Courses: This course (Classical Civilisation 2A, 2002 onwards) may not be combined with 2GRU Classical Civilisation 1A (2000-1 or earlier), or with 3YRV Classical Civilisation 2B (2001-2 or earlier)

Assessment: Two essays (20% each), end of course examination (60%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: 1. To introduce students to influential works of the two major areas of literary culture in ancient Greece and Rome, epic and drama. 2. To explore the development of epic and drama as literary genres in Greece and Rome. 3. To encourage students to understand works of literature and art in the historical, cultural, and intellectual context in which they were produced.

Course Co-ordinator: Prof Roger Green

7XLV CLASSICAL CIVILISATION 2B: CONFLICT AND CHANGE IN ANCIENT GREECE AND ROME

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Wednesday and Thursday at 1pm; and fortnightly tutorials

Requirements of entry: Grade D or above in any one of the following: Classical Civilisation 1A; Classical Civilisation 1B; Classical Greek Civilisation 1 (DACE Module 1 or 2); Latin 1A, 1B, 1C, 1D, Greek 1A, 1B, or a course at level 1 in Archaeology, Civil Law or Religion.

Co-requisites: None

Excluded Courses: 3YRV Classical Civilisation 2B (2001-2 and ealier).

Assessment: Two essays (20% each), end of course examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. To introduce students to a range of different kinds of ancient political writing, including historiography and oratory; 2. To explore the nature of conflict, both external and internal, in Greece and in republican Rome; 3. To explore the variety of ancient constitutions and political practices, and the interrelationships between political theory and behaviour on the one hand and historical change (including social and cultural change) on the other, with special reference to archaic Greece, the rise of Macedon, and republican Rome; 4. To enable students to understand political texts in their historical and literary contexts.

Course Co-ordinator: Dr Ronald Knox

7FDV GREEK 2A

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Monday, Tuesday, Wednesday and Friday - 10.00 am

Requirements of entry: D grade in Greek 1B, but a student having previous knowledge of Greek judged sufficient by the Head of Department may be admitted direct to 2A

Co-requisites: None

Assessment: Two class tests (20% each), one essay (20%), end of course examination (40%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To enlarge your knowledge of the language and literature of Classical Greece. The language part of the course involves translation from and into Greek.

Course Co-ordinator: Dr Ronald Knox

7FCV GREEK 2B

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday, Tuesday, Wednesday, Friday - 10.00 am

Requirements of entry: Satisfactory completion of Greek 2A, or at the discretion of the Head of Department

Co-requisites: None

Assessment: Two class tests (20% each), one essay (20%), end of course examination (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enlarge your knowledge of the language and literature of Classical Greece. The language part of the course involves translation from and into Greek.

Course Co-ordinator: Dr Ronald Knox

7FBV LATIN 2A: LETTERS AND SOCIETY

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Monday, Tuesday, Wednesday, Thursday at 3.00 pm

Requirements of entry: Grade D or above in Latin 1B or 1D,or at the discretion of the Head of Department

Assessment: Two class tests (20% each), one essay (20%), end of course examination (40%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To develop your knowledge of the Latin language and provide a detailed understanding and appreciation of prescribed literary texts and the society within which they were written.

Course Co-ordinator: Dr Catherine Steel

7FAV LATIN 2B: AUGUSTAN POETRY

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday, Tuesday, Wednesday, Thursday at 3.00 pm

Requirements of entry: Grade D or above in Latin 2A, or at the discretion of the Head of Department

Assessment: Two class tests (20% each), one essay (20%), end of course examination (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop your knowledge of the Latin language and provide a detailed understanding and appreciation of prescribed literary texts and of the society within which they were written.

Course Co-ordinator: Dr Catherine Steel

2Y5D CLASSICAL CIVILISATION 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and seminars as per Classics Department Honours handbook

Requirements of entry: Grade D in Classical Civilisation 2A or 2B

Assessment: Three 20-credit Honours papers are chosen; form and timing of assessment varies depending on options chosen.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the classes at Levels 1 and 2. Emphasis is placed on three key modes of study of the ancient world, archaeological, historical and literary. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option of doing so. The student chooses three options from the Honours programme but is assessed in them at level 3 General Humanities Standard.

Course Co-ordinator: Dr Ronald Knox

9LGF CLASSICS 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and seminars as per Classics Department Honours handbook

Requirements of entry: At least two level one courses and two level two courses in Classical Civilisation, Greek and/or Latin with at least two Cs and two Ds. Three Ds and a C or four Ds may be considered for entry at the Head of Department's discretion. Students who have taken fewer than four courses may be considered for Honours entry but will be expected to take the missing courses in their Junior Honours year.

Excluded Courses: Classical Civilisation 4H (Joint).

Assessment: Options are assessed in the session they are taught

Degree Examination taken in: May/June

Aims: To study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the courses taken in first and second year. Emphasis is placed on the four key modes of study of the ancient world, archeological, historical, literary and philosophical. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option of doing so. A primary aim is to promote direct intellectual engagement with ancient texts and artefacts which constitute the legacy of the ancient world: a secondary one is to illuminate with the aid of modern scholarship the multiform interpretations of them which more recent ages have evolved.

Honours Course Prescription: Over the two Honours years students take either six options (normally three in Junior Honours and three in Senior Honours) of 20 credits each; or four options of 20 credits each and a dissertation (40 credits). The 20 credit options must include one historical and one literary option. Joint honours students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Classics.

Course Co-ordinator: Dr Ronald Knox

9FYH CLASSICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and seminars as per Classics Department Honours handbook

Requirements of entry: At least two level one courses and two level two courses in Classical Civilisation, Greek and/or Latin with at least two Cs and two Ds. Three Ds and a C or four Ds may be considered for entry at the Head of Department's discretion. Students who have taken fewer than four courses may be considered for Honours entry but will be expected to take the missing courses in their Junior Honours year.

Assessment: Options are assessed in the session they are taught

Degree Examination taken in: May/June

Aims: To study the civilisation of Greece and Rome at an advanced level, extending and deepening the knowledge and understanding achieved in the courses taken in first and second year. Emphasis is placed on the four key modes of study of the ancient world, archaeological, historical, literary and philosophical. No knowledge of the Greek and Latin languages is demanded but those who wish to begin Latin or Greek will be offered the option to do so. A primary aim is to promote direct intellectual engagement with ancient texts and artefacts which constitute the legacy of the ancient world: a secondary one is to illuminate with the aid of modern scholarship the multiform interpretations of them which more recent ages have evolved.

Honours Course Prescription: Ten options (20 credits each) from the list in the Honours handbook, together with a dissertation worth 40 credits. The options taken must include one historical and one literary option.

Course Co-ordinator: Dr Ronald Knox

116F GREEK 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and seminars as per Classics Department Honours handbook

Requirements of entry: A grade of B in Greek 2B guarantees an offer of entry into Honours in Greek. A grade of C may be considered

Co-requisites: None

Assessment: Options are assessed in the session they are taught

Degree Examination taken in: May/June

Aims: The aim of the course is to study at an advanced level the principal works of Greek literature (both prose and poetry), as well as the language, history, philosophy, and archaeology of the classical period.

Honours Course Prescription: Over the two Honours years students must take options totalling 120 credits. These must include either Greek Unprepared Translation 89DF or Greek Prose Composition and Unprepared Translation 89DE; at least two papers from the Greek options; and at least one paper from the Classics options. The remaining 40 credits may be derived from

either a dissertation (40 credits); or two further papers from the Greek options; or one paper from the Greek options and one paper from the Classics options. Joint honours students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Greek.

Course Co-ordinator: Dr Ronald Knox

116H GREEK 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and seminars as per Classics Department Honours handbook

Requirements of entry: A grade of B in Greek 2B guarantees an offer of entry into Honours in Greek. A grade of C may be considered

Co-requisites: None

Assessment: Options are assessed in the session they are taught

Degree Examination taken in: May/June

Aims: The aim of the course is to study at an advanced level the principal works of Greek literature (both prose and poetry), as well as the language, history, philosophy and archaeology of the classical period.

Honours Course Prescription: Over the two Honours years students take ten options: Greek unprepared translation or Greek prose composition and unprepared translation, six further papers from the Greek options, three papers from the Classics options, and a dissertation.

Course Co-ordinator: Dr Ronald Knox

9LBF LATIN 3H JOINT

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and seminars as per Classics Department Honours handbook

Requirements of entry: A Grade of B in either level 2 course (or, with the approval of the Head of Department, a C) and at least a D in the other level 2 course guarantee entry into Honours Latin

Assessment: Options are assessed in the session they are taught

Degree Examination taken in: May/June

Aims: The aim of this programme is to increase students' expertise in the Latin language, to develop an understanding of selected literary works of major importance, and to study in depth certain aspects of the historical and social background.

Honours Course Prescription: Over the two Honours years students must take options totalling 120 credits. These must include either Latin Unprepared Translation 96NW or Latin Prose Composition and Unprepared Translation 93VU; at least two papers from the Latin options; and at least one paper from the Classics options. The remaining 40 credits may be derived from either a dissertation (40 credits); or two further papers from the Latin options; or one paper from the Latin options and one paper from the Classics options. Joint honours students must do a dissertation; if you are doing a dissertation in your other subject you may not take the dissertation in Latin.

Course Co-ordinator: Prof Roger Green

9LFH LATIN 3H SINGLE

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and seminars as per Classics Department Honours handbook

Requirements of entry: A Grade of B in either level 2 course (or, with the approval of the Head of Department, a C) and at least a D in the other level 2 course guarantee entry into Honours Latin

Degree Examination taken in: May/June

Aims: The aim of this programme is to increase students' expertise in the Latin language, to develop an understanding of selected literary works of major importance, and to study in depth various aspects of Classical culture.

Honours Course Prescription: Over the two Honours years students take ten options: Latin unprepared translation or Latin prose composition and unprepared translation, six further papers from the Latin options, three papers from the Classics options, and a dissertation.

Course Co-ordinator: Prof Roger Green

9FXG CLASSICS 4H (JOINT)

(See: 9LGF CLASSICS 3H (JOINT))

9LHJ CLASSICS 4H (SINGLE)

(See: 9FYH CLASSICS 3H (SINGLE))

116G GREEK 4H (JOINT)

(See: 116F GREEK 3H (JOINT))

116J GREEK 4H (SINGLE)

(See: 116H GREEK 3H (SINGLE))

9LCG LATIN 4H JOINT

(See: 9LBF LATIN 3H JOINT)

9LEJ LATIN 4H SINGLE

(See: 9LFH LATIN 3H SINGLE)

Computing Science

7FWU COMPUTING SCIENCE - 1P

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures 48 taught at 2 per week on Wednesday and Friday at 12.00 noon one-hour tutorial and

two-hour laboratory session per fortnight throughout the session.

Requirements of entry: Eligible students should have a Grade B or above in Higher Mathematics, or a Grade C in Higher Mathematics AND a Grade B or above in Higher Computing/Information Studies, or a suitable equivalent.

Excluded Courses: The 20 credits for CS1P cannot be counted in addition to credits for CS1R (IP1) and CS1S (FP1). IPEE1.

Assessment: One 2-hour examination (70%), class test (10%) and laboratory examinations (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of the CS1P course is to produce programmers equipped with an understanding of: fundamental computational concepts underlying most programming languages, a range of problem-solving techniques using computers, the role of programming within the overall software development process, attitudes and working practices appropriate for a professional programmer, the skills supporting the solution of small problems using a programming language, the clear expression of solutions at different levels of abstraction, independent and self-motivated study in Computing Science.

Course Co-ordinator: Dr Simon Gay

7FXU COMPUTING SCIENCE - 1Q

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: 48 Lectures taught at 2 per week on Tuesday and Thursday at 12.00 noon, one-hour tutorial and two-hour laboratory session per fortnight, throughout the session.

Requirements of entry: A Grade B or above in Higher Mathematics, or a Grade C in Higher Mathematics AND a Grade B or above in Higher Computing/Information Studies, or a suitable equivalent.

Co-requisites: CS1P

Excluded Courses: There would be certain restricted combinations with exisiting Level 1 courses. For instance, the 20 credits for CS1Q cannot be counted in addition to credits for CS1X (CF1) and CS1Y (HCI1). Humanities Computing Level 1 courses.

Assessment: One 2-hour examination (70%), class test (10%) assessed coursework (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of the CS1Q course is to give students an understanding of: the structure of a computer system at a range of levels: logic gates, functional units within the CPU, functional units within the computer, the operating system, the high-level programmer's view, networks, human-computer interaction: styles of interaction, requirements for an interactive system in relation to the nature of the tasks being supported, issues in the design of interactive systems, critical assessment of designs, the ways in which databases contribute to the management of large amounts of data, the professional and ethical issues raised by the existence of databases and networks, mathematics to support the previous items and to provide a foundation for level 2.

Course Co-ordinator: Dr Simon Gay

3ABV COMPUTING SCIENCE 2R: ALGORITHMIC FOUNDATIONS

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures - Monday 11.00 am, Wednesday 1.00 pm; one hour Examples Class - Friday 1 pm, every 3 weeks; plus drop-in tutorials at times to be arranged.

Requirements of entry: Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

Co-requisites: Data Structures and Algorithms 2.

Excluded Courses: Level 2 Humanities Computing

Assessment: 1-hour examination (80%), plus assessed coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce the foundational mathematics needed for Computing Science, to make students proficient in their use, and to show how they can be applied to advantage in understanding computational phenomena.

Course Co-ordinator: Dr William Cockshott

3ACV COMPUTING SCIENCE 2S: FUNCTIONAL PROGRAMMING

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures Wednesday, Friday 11.00 am; Two-hour practical and 1-hour Examples Class - Friday 1 pm every 3 weeks as arranged.

Requirements of entry: Entry to Level 2 Computing Science is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

Co-requisites: Completion of Algorithmic Foundations 2, Data Structures and Algorithms 2 and Software Design & Implementation 2.

Excluded Courses: Level 2 Humanities Computing.

Assessment: 1-hour examination (90%), plus assessed coursework (10%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To teach students how to write well-structured functional programs of moderate size, and how to reason formally and informally about them.

Course Co-ordinator: Dr William Cockshott

3ADV COMPUTING SCIENCE 2T: COMPUTER SYSTEMS

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures - Wednesday, Friday 11.00 am; one-hour Examples Class Friday 1 pm and two-hour practical per fortnight as arranged.

Requirements of entry: Entry is guaranteed to students who achieve Grade C or better in each of CS1P and CS1Q at the first attempt. All others would be at the discretion of the Department.

Co-requisites: Data Structures and Algorithms

Excluded Courses: Level 2 Humanities Computing

Assessment: 1-hour examination (80%), plus assessed coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide a thorough understanding of the integration of hardware and software components in a simple, but realistic, computer system.

Course Co-ordinator: Dr William Cockshott

8OYV COMPUTING SCIENCE 2U: INFORMATION MANAGEMENT 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures Monday 11.00 am, Wednesday 1.00 pm; one-hour Examples Class - 1 pm Friday and two-hour practical every three weeks as arranged.

Requirements of entry: Grade C or better in each of CS1P and CS1Q at the first attempt.

Co-requisites: Completion of Data Structures and Algorithms 2 and Software Design and Implementation 2.

Excluded Courses: Application Software Development 1 and Data Management 2.

Assessment: 1.5-hour examination (plus 15 mins reading time) (80%), plus assessed coursework (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop competence, confidence, and professionalism in designing and developing information systems which provide computer interfaces to the management of large collections of data, including delivery over the world wide web.

Course Co-ordinator: Dr William Cockshott

3AFV COMPUTING SCIENCE 2X: DATA STRUCTURES AND ALGORITHMS

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures Tuesday, Thursday 11.00 am; one-hour Examples Class Friday 1 pm every three weeks and two-hour practical per fortnight as arranged.

Requirements of entry: Grade C or better in CS1P at the first attempt.

Excluded Courses: Level 2 Humanities Computing

Assessment: 1-hour examination (80%), plus assessed coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To present the data types commonly used in programming, and the various data structures and algorithms used to implement them efficiently.

Course Co-ordinator: Dr William Cockshott

3AGV COMPUTING SCIENCE 2Y: SOFTWARE DESIGN AND IMPLEMENTATION

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures Tuesday, Thursday 11.00 am; one hour Examples Class - Friday 1 pm and one two hour practical every 3 weeks as arranged.

Requirements of entry: Grade C or better in CS1P at the first attempt.

Co-requisites: Completion of Data Structures and Algorithms 2.

Excluded Courses: Level 2 Humanities Computing

Assessment: 1-hour examination (80%), plus assessed coursework (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce the software development process, and to present methods for the design, implementation and documentation of larger and more complex programs.

Course Co-ordinator: Dr William Cockshott

514F COMPUTING SCIENCE 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: A grade point average of at least 12 (ie C) over at least four of the Level 2 Computing Science courses (including Data Structures and Algorithms 2 and Software Design and Implementation 2), at the first attempt AND fulfil the requirements for the other subject.

Assessment: Each Computing Science course is assessed by examination and coursework as detailed in the course descriptions.

Degree Examination taken in: May/June

Aims: As for Single Honours in Computing Science, but with a reduced breadth due to the limit on the time available for the study of CS material. The best Combined Honours graduates will build links between their two disciplines, allowing them to constructively apply their technical skills and knowledge in interdisciplinary research and/or industrial settings.

Honours Course Prescription: Level 3: Professional Software Development 3, Advanced Programming 3 and three other taught courses (no

project). For further details see our website - http://www.dcs.gla.ac.uk/courses/teaching

Course Co-ordinator: Dr Karen Renaud

514H COMPUTING SCIENCE 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: The student must: have a grade-point average of at least 12 (i.e. C) over the six Level 2 Computing Science courses, at the first attempt, having passed (Grade D or better) the Level 2 Computing Science courses 2X (Data Structures and Algorithms) and 2Y (Software Design and Implementation) at the first attempt; have passed (Grade D or better) at least two of the Level 1 Mathematics courses 1R, 1S, 1T, 1X, 1Y preferably at the first attempt.

Assessment: Each course is assessed by examination and coursework as detailed in course descriptions.

Degree Examination taken in: May/June

Aims: The academic aim is to provide students with a deep understanding of the theory and practice of computing science. Students study a broad range of core topics, and are encouraged to discover the connections among these topics and to understand their common theoretical foundations. Students also choose selected topics to study in considerable depth; this means that the best Honours graduates are also equipped to enter research programmes. The professional aim is to produce graduates fit to occupy responsible positions in the information technology industry. Graduates will need a broad knowledge of computing, deep knowledge of selected topics, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers.

Honours Course Prescription: Level 3: Advanced Programming 3, Algorithmics 3, Database Systems 3, Graphics and Multimedia 3, Interactive Systems 3, Networked Systems Architecture 3, Operating Systems 3, Professional Software Development 3, Programming Languages 3, and the Team Project 3 must be taken in level 3. Admission to Level 4 is at the discretion of the head of department but is guaranteed to those who achieve a C average across the level 3 courses. For further detail see our website http://www.dcs.gla.ac.uk/courses/teaching

Course Co-ordinator: Dr Karen Renaud

4PTW COMPUTING SCIENCE 3P: ALGORITHMICS 3

Credits: 10 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Provisionally - Lectures Tuesday and Thursday at 12 noon. Labs and tutorials Friday 2-4 p.m.

Requirements of entry: Algorithmic Foundations 2. Software Design and Implementation 2, 40 credits of Level 1 Mathematics passed at Grade D or above (or equivalent). This course is only available to Honours students.

Co-requisites: Advanced Programming 3.

Assessment: Examination 80% Coursework 20%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop the student's skills in the design and analysis of algorithms; to study algorithms for a range of important standard problems; to introduce the student to the theory of NP-completeness together with its practical implications, and to make the student aware of fundamental concepts of computability.

Course Co-ordinator: Dr Karen Renaud

4PYW COMPUTING SCIENCE 3Q: ADVANCED PROGRAMMING 3

Credits: 10 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Provisionally - Lectures Wednesday and Thursday at 10 a.m. Labs/Tutorials Monday 2-4 p.m.

Requirements of entry: Software Design and Implementation 2 and Data Structures and Algorithms 2.

Assessment: Examination: (80%); Coursework (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To further develop the students' experience and understanding of object-oriented programming; to develop expertise in, and understanding of, concurrent programming; to introduce distributed programming; to develop the ability to select and re-use existing software components and libraries; to prepare students to transfer these skills to other languages; to heighten awareness of the differences between programming paradigms.

Course Co-ordinator: Dr Karen Renaud

4RDW COMPUTING SCIENCE 3S: OPERATING SYSTEMS 3

Credits: 10 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Provisionally - Lectures Wednesday and Thursday at 10 a.m. Labs/Tutorials Monday 2-4 p.m.

Requirements of entry: Computer Systems 2; Advanced Programming 3. This course is only available to Honours students.

Assessment: Examination (80%); Practical Exercises (20%) involving intensive C programming, and thorough evaluation of understanding of principles and techniques via assessed questions.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce the students to the styles of coding required with an OS; to give a thorough presentation of the contents of a traditional OS, including the

key abstractions; to show the range of algorithms and techniques available for specific OS problems, and the implications of selection specific algorithms for application behaviour; to develop an integrated understanding of what the computer is doing, from a non-naive view of hardware to the behaviour of multi-threaded application processes; present the alternatives and clarify the trade-offs that drive OS and hardware design.

Course Co-ordinator: Dr Karen Renaud

4RCW COMPUTING SCIENCE 3T: NETWORKED SYSTEMS ARCHITECTURE 3

Credits: 10 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Provisionally - Lectures Tuesday and Thursday 12 noon. Labs/tutorials Wednesday 2-4 p.m.

Requirements of entry: Computer Systems 2. Only available to Honours students.

Co-requisites: Advanced Programming 3.

Assessment: Examination (100%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a solid understanding of the technologies that support modern networked computer systems; to provide our undergraduates with the ability to see through the hype generated by telecommunications and computer networking vendors, and evaluate and advise industry on networking deployment.

Course Co-ordinator: Dr Karen Renaud

4RAW COMPUTING SCIENCE 3U: DATABASE SYSTEMS 3

Credits: 10 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Provisionally - Lectures Wednesday and Friday at 11 a.m. Labs/Tutorials Friday 2-4 p.m.

Requirements of entry: Data Management 2

Co-requisites: Advanced Programming 3

Assessment: Examination (80%); Practical Exercises (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: From the basic skills derived in Information Management 2, to develop the software engineering and database administration skills required for designing, creating, running and developing a relational database application and its associated application software suite. This will include extension of a pre-existing systems and arrangements for extending operational systems; awareness of the limits and extensions to the relational model and an understanding of the potential of an alternative data model.

Course Co-ordinator: Dr Karen Renaud

4RWW COMPUTING SCIENCE 3V: GRAPHICS AND MULTIMEDIA 3

Credits: 10 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Provisionally - Lectures Wednesday and Friday at 12 noon. Labs/Tutorials Tuesday 2-4 p.m.

Requirements of entry: Advanced Programming 3; at least 40 credits of Level 1 Mathematics passed at Grade D or above (or equivalent). Only available to Honours students.

Assessment: Examination 100%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to the basic concepts underlying modern computer-based audio and 2D image creation and manipulation; to prepare students for the fourth year, eg by introducing curve-drawing methods, viewing transformations, frequency-based techniques, and a framework which can be built on; to identify the commonality between image processing techniques and synthetic graphics; to provide support material for HCI (HDM, specific interaction models eg rubber-banding, flood fill), and for networking (DCT/JPEG, DSP, Frequency domain and sampling); to allow students to understand implementation standards, what is going on in the drawing and painting programs they use every day, and to assist in project work which relies on such knowledge.

Course Co-ordinator: Dr Karen Renaud

9TQW COMPUTING SCIENCE 3W: INTERACTIVE SYSTEMS 3

Credits: 10 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Provisionally - Lectures Tuesday and Friday at 10a.m. Labs/tutorials Wednesday 2-4 p.m.

Requirements of entry: Advanced Programming 3, Human Computer Interaction 1 or CS1Q.

Assessment: Examination (70%); Practical Exercises (30%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To offer students the opportunity to become familiar with fundamental interaction and evaluation paradigms; to enable students to become skilled in techniques for visualising and interacting with information; to enable students to apply these techniques in challenging exercises in design, implementation and evaluation.

Course Co-ordinator: Dr Karen Renaud

4REW COMPUTING SCIENCE 3X: PROFESSIONAL SOFTWARE DEVELOPMENT 3

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Provisionally - Lectures Monday and Thursday at 11 a.m. Labs/Tutorials Thursday 2-4 p.m.

Requirements of entry: Software Design and Implementation 2; Advanced Programming 3

Assessment: Because the material in this course is largely rooted in software engineering practice, 50% of the assessment comes from the PSD Group Exercise; the other 50% of the assessment comes from the course examination. An individual's assessment on the Group Exercise will be made up of a combination of group and individual deliverables. Group deliverables include the system requirements, design specification, test plan and system documentation as well as a final acceptable software product. Individual deliverables will normally include at least two reports and at least one public presentation. 50% of an individual's Group Exercise assessment will come from group deliverables and 50% from individual deliverables.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to modern software development methods and techniques for building and maintaining large systems; provide an opportunity for the students to apply these methods and techniques presented to them in the context of an extended group-based software development exercise; to make students aware of the professional, social and ethical dimensions of software development; to instill in the students a professional attitude towards software development.

Course Co-ordinator: Dr Karen Renaud

4RFW COMPUTING SCIENCE 3Y: TEAM PROJECT 3

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Project group meets with supervisor once a week throughout duration of project.

Requirements of entry: Software Design and Implementation 2; Data Structures and Algorithms 2

Co-requisites: Professional Software Development 3

Assessment: Joint dissertation comprising a project report, documentation, and the software itself. 5% Presentation; 5% Writing Skills; 90% Project Dissertation

Degree Examination taken in: May/June

Aims: To design and implement, in a team, a software system that solves a (more-or-less) well-understood problem; to achieve a deliverable product in the form of a piece of working software.

Course Co-ordinator: Dr Karen Renaud

89EQ PROGRAMMING LANGUAGES 3

Credits: 10 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Provisionally - Lectures: Monday and Wednesday at 12 noon. Weekly Labs/Tutorials: Tuesday 2-4p.m.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a conceptual framework that will enable students to understand already-learned programming languages more deeply and learn new languages more efficiently. To explain syntax, semantics, and pragmatics of programming languages, and to show how syntax can be formalised. To explain the functions of compilers and interpreters and how they interact, and to explain the function decomposition of compilers.

Course Co-ordinator: Dr Karen Renaud

8R9H SOFTWARE ENGINEERING 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: varies.

Requirements of entry: An overall grade point average of 12 across all Level 2 courses including a grade point average of 13 in Data Structures & Algorithms 2 and Software Design & Implementation 2.

Assessment: Each Computing Science course is assessed by examination and coursework as detailed in the course descriptions. Additionally, there is an assessed summer placement.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The academic aim is to provide students with a deep understanding of the theory and practice of software engineering. Students study a broad range of core topics, and are encouraged to discover the connections among these topics and to understand their common theoretical foundations. Students also choose selected topics to study in considerable depth; this means that the best Honours graduates are also equipped to enter research programmes. The professional aim is to produce graduates fit to occupy responsible positions in the information technology industry, particularly within the software industry. Graduates will need a broad knowledge of computing, deep knowledge of selected topics in software engineering, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers. The degree also aims to give graduates experience of software engineering in an industrial context, to this end an integral part of the degree is an industrial placement between the third and fourth years.

Honours Course Prescription: See single honours level 3 for courses and includes summer placement.

Course Co-ordinator: Prof Raymond Welland

4RGW SOFTWARE ENGINEERING SUMMER PLACEMENT

Credits: 10 *Level:* 3

When Taught: June - September

Timetable: Summer prior to Level 4.

Requirements of entry: Software Engineering and Electronics Software Engineering students only

Assessment: Written report and presentation on placement experience. Each contributes 50% to the overall placement mark.

Aims: During the long vacation between third and fourth year, Software Engineering students will normally be required to undertake a summer placement of at least 10 weeks to gain relevant practical experience. During the placement their progress will be monitored by the Department. At the beginning of the fourth year students will be expected to give a presentation on their placement experience. Ideally, the student's final year individual project will follow on from the summer placement.

Course Co-ordinator: Prof Raymond Welland

514G COMPUTING SCIENCE 4H (COMBINED)

(See: 514F COMPUTING SCIENCE 3H (COMBINED))

514J COMPUTING SCIENCE 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses chosen

Requirements of entry: An average aggregated score of 12 in Computing Science 3H (Single).

Assessment: Each Computing Science course is assessed by examination and coursework as detailed in course descriptions.

Degree Examination taken in: May/June

Aims: The academic aim is to provide students with a deep understanding of the theory and practice of computing science. Students study a broad range of core topics, and are encouraged to discover the connections among these topics and to understand their common theoretical foundations. Students also choose selected topics to study in considerable depth; this means that the best Honours graduates are also equipped to enter research programmes. The professional aim is to produce graduates fit to occupy responsible positions in the information technology industry. Graduates will need a broad knowledge of computing, deep knowledge of selected topics, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers.

Honours Course Prescription: For details of available courses see our website - http://www.dcs.gla.ac.uk/courses/teaching.

Course Co-ordinator: Dr Robert Irving

0TEJ COMPUTING SCIENCE 4M

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Varies.

Requirements of entry: An average aggregated score of 15 in CS3H, SE3H or ESE3H will normally be required.

Assessment: Each Computing Science course contributing to CS4M is assessed by examination and coursework as detailed in course descriptions. For students choosing to exit at the end of year 4 the final classification will be weighted 40% from Level 3 and 60% from Level 4, as per CS4H. Final classifications for students progressing to Level 5 of the MSci will be weighted 15% from Level 3, 35% from Level 4 and 50% from Level 5.

Aims: As for CS4H

Honours Course Prescription: Same as CS4H

Course Co-ordinator: Mr Philip Gray

0TZG COMPUTING SCIENCE 4M (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Varies

Requirements of entry: An average aggregate score of 15 over all components contributing to CS3H combined.

Assessment: Each Computing Science course contributing to CS4M+ is assessed by examination and coursework as detailed in the course descriptions. For students exiting at the end of year 4 the final classification will be weighted 33% from Level 3 and 67% from Level 4, as per CS4H+. Final classifications for students progressing to Level 5 of the Combined MSci will be weighted 15% from Level 3, 35% from Level 4 and 50% from Level 5.

Aims: As for Combined Honours in Computing Science, but with goal of preparing students for final year of Combined MSci in Computing Science. The best Combined Honours graduates will build links between their two disciplines, allowing them to constructively apply their technical skills and knowledge in interdisciplinary research and/or industrial settings.

Honours Course Prescription: For details of available courses see our website - http://www.dcs.gla.ac.uk/courses/teaching

Course Co-ordinator: Mr Philip Gray

8R9J SOFTWARE ENGINEERING 4H

(See: 8R9H SOFTWARE ENGINEERING 3H)

0TKJ COMPUTING SCIENCE 5M

Credits: 130 *Level:* 5

When Taught: Full Session (September - June)

Timetable: Varies.

Requirements of entry: An average aggregated score of 15 in CS4M will normally be required.

Assessment: The assessment of individual Level 5 courses is detailed in the relevant course descriptions.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: In addition to the aims of the current Honours programme, Level 5 of this MSci aims to: equip students with an advanced and systematic understanding of selected areas of Computing Science; provide the skills necessary to pursue independent research; prepare students for an academic or industrial research career; introduce students to critical research techniques necessary to successfully complete a Project Proposal and an MSci Research Project; introduce students to presentation skills critical to presenting the results of their research; introduce students to techniques critical to pursuing a successful research career after postgraduate studies.

Honours Course Prescription: Research Methods and Techniques, Research Readings in Computing Science, Advanced Research Readings in Computing Science, Research Proposal, Research Project, plus 20 credits of elective courses at level H or M.

Course Co-ordinator: Mr Philip Gray

0TYG COMPUTING SCIENCE 5M (COMBINED)

Credits: 60 *Level:* 5

When Taught: Full Session (September - June)

Timetable: Varies.

Requirements of entry: An average aggregated score of 15 in CS4M+ will normally be required.

Assessment: The assessment of individual Level 5 courses is detailed in the relevant course descriptions.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: In addition to the aims of the current combined Honours programme, Level 5 of this Combined MSci aims to: equip combined students with an advanced and systematic understanding of selected areas of Computing Science; provide the skills necessary to pursue independent research; prepare students for an academic or industrial research career; introduce students to critical research techniques necessary to successfully complete an MSci Research Project; introduce students to presentation skills critical to presenting the results of their research; introduce students to techniques critical to pursuing a successful research career after postgraduate studies.

Honours Course Prescription: Selected Research Readings in Computing Science, Research Methods and Techniques, Advanced Research Readings in Computing Science, 20 credits of electives in Computing Science at either Level 4 or M, plus a research project. Note: a minimum of 20 credits of electives which can be taken during Level 4 and/or Level 5 must be at Level M.

Course Co-ordinator: Mr Philip Gray

Crichton Campus

0WEW FOLK BELIEF AND THE WITCH-HUNTS

Credits: 20 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Lectures 2 hours a week; Seminars 1 hour a week

Requirements of entry: It is desirable that students have at least one previous history course at Level 2 at Grade D or above (or in consultation with the convenor)

Assessment: Primary Source Analysis 10% (students will write approx 1500 words on a primary source extract. The source may be a text or a visual representation) Essay 30% (students will write approx 3000 words) Seminar 20% (students will be assessed on an in-class oral presentation 10% and will participate in a peer review, subject to confirmation by the tutor, of general class participation throughout the semester 10%) Final Exam 40%

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The principal aims of this course are: - to explore the role of the supernatural and witch belief in Europe, North America and Africa - to examine the intellectual and folk attitudes towards witchcraft and belief in the supernatural, past and present - to investigate the uniqueness of individual witch persecutions through such criteria as gender, age, social status and regional differences - to examine the legal developments and political conditions that allowed witch persecutions to take place - to develop and utilise various methodological approaches towards the study of mindsets, worldview, popular culture and belief

Course Co-ordinator: Dr Lizanne Henderson

Economic & Social History

7BHU ECONOMIC AND SOCIAL HISTORY 1A: INDUSTRIALISATION & SOCIAL CHANGE 1750-1914

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Monday, Tuesday , Thursday - 3.00 p.m. Fortnightly tutorial

Assessment: One essay of c.1500 words (30%), one primary source report of c.1000 words (20%), one 2 - hour, 2 - question examination. (50%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course explores the causes and consequences of industrialisation from the mid-eighteenth century to the First World War. Starting with the pre-industrial economy and society, the course traces the development of a recognisably modern world in the nineteenth century, not only in terms of manufacturing and trade, but also the growth of cities, financial institutions, labour organisation, leisure activities and family relationships. The changes in all these areas are tracked from Britain, 'the cradle of the industrial revolution', to Europe, and then the wider world. National histories are placed in an international perspective and rapid transitions against the background of long-term trends. Students will be introduced to major questions in history such as the conditions for economic growth, the relationship between

economic and social change, and the global transmission of both stability and instability. They will also get to grips with primary sources which are the basis for all historical knowledge. Courses 1A and 1B are built around the same key themes – international economic relations, labour and the workplace, social order and conflict, gender and the family, leisure and consumption, migration and community – in the same regions (Britain, Europe, the USA and Japan). However, they are designed as stand-alone courses.

Course Co-ordinator: To be confirmed

7BJU ECONOMIC AND SOCIAL HISTORY 1B: ECONOMIC & SOCIAL CHANGE SINCE 1914

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Monday, Tuesday, Thursday - 3.00 pm; Fortnightly tutorial.

Assessment: One essay of c.1500 words (30%), one primary source report of c.1000 words (20%), one 2-hour, 2-question examination (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course explores economic and social change in the advanced economies from the First World War to the era of Thatcher and Reagan. It introduces students to major issues in history, such as the causes of economic growth and recession, the sources of social change, and the impact of war on society and the economy. The course starts with the terrible legacy of the First World War and charts the crises of the inter-war period. These decades of mass unemployment, but also mass leisure, witnessed the rise of fascism and communism. The Second World War gave way to a prolonged boom, a time of conspicuous consumption but also of commitment to social welfare, which together helped fuel the sexual revolution and youth culture. The boom ended with the oil crisis of 1973 and the subsequent period of instability. The course examines how various countries have coped with the problems that followed. The emphasis on contemporary and international history enables students to understand the experience of their own society and economy more fully in the light of global and long-term trends. They will also get to grips will primary sources which are the basis for all historical knowledge. Courses 1A and 1B are built around the same key themes – international economic relations, labour and the workplace, social order and conflict, gender and the family, leisure and consumption, migration and community – in the same regions (Britain, Europe, the USA and Japan). However, they are designed as stand-alone courses.

Course Co-ordinator: To be confirmed

7KJV ECONOMIC & SOCIAL HISTORY 2A (20)

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Monday, Tuesday, Thursday - 3.00 pm; Fortnightly tutorial, 2 computer classes in Semester 1. Available for evening study under code 8KYV, Mondays 6.30-9.30pm.

Requirements of entry: 20 credits at D or above in one Level 1 course in Economic & Social History, History (Arts), or Economics

Excluded Courses: N/A

Assessment: 1 essay of c2000 words, 30%. 1 computer exercise (ACCESS-based) 20%. 1 2-question, 2-hour exam at the end of course (January) 50%.

Aims: With a focus on England and Scotland from the late 18th century until the outbreak of World War I, the course seeks to develop both historical and transferable skills building on the analytical and conceptual experience gained in Level 1 classes. The course provides a background for understanding the main trends in British economic and social development from its rise as the first major industrial nation, to its postion as a 'mature' economy in the early 20th century, faced with the growth of international competition. General aims are: (1) to develop confidence in the selection and analysis of information and in the use of written skills in essays and examinations. (2) to interrogate widely-used software to give an understanding of the use of the computer as a historical tool. (3) to develop skills in presenting reasoned arguments, backed by the use of relevant and convincing evidence.

Course Co-ordinator: Dr Neil Rollings

8KYV ECONOMIC & SOCIAL HISTORY 2A (EVENING)

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Mondays, 6.30 pm - 9.30 pm

Course Co-ordinator: Dr Annmarie Hughes

7TDV ECONOMIC & SOCIAL HISTORY 2B

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday, Tuesday, Thursday - 3.00 pm; Fortnightly tutorial, 2 computer classes in Semester 2. Available for evening study under code 8LAV, Mondays 6.30-9.30pm.

Requirements of entry: 20 credits at D or above in one Level 1 course in Economic & Social History, History (Arts), or Economics.

Assessment: 1 essay c2000 words, 30%. 1 computer exercise (EXCEL-based) 20%, 1 2-question, 2-hour exam at end of course (June) 50%

Aims: With a focus on England and Scotland since the outbreak of World War 1, the course seeks to develop both historical and transferable skills building on the analytical and conceptual experience gained in Level 1 classes. The course provides a background for understanding the economic and social position of contemporary Britain, including the effects of two World Wars on economic and social trends, the difficulties created by the international depression of the inter-war years, the main economic and social patterns in Britain since

World War II. General aims are: (1) to develop confidence in the selection and analysis of information and in the use of written skills in essays and examinations. (2) to interrogate widely-used software to give an understanding of the use of the computer as a historical tool. (3) to develop skills in presenting reasoned arguments, backed by the use of relevant and convincing evidence.

Course Co-ordinator: Dr Neil Rollings

8LAV ECONOMIC & SOCIAL HISTORY 2B (EVENING)

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Mondays, 6.30 pm - 9.30 pm

Course Co-ordinator: Dr Annmarie Hughes

9KYW ECONOMIC & SOCIAL HISTORY 3: RESEARCH METHODS

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Class meetings Wednesday 10-12; Computer sessions: Thursdays 3-5 or Fridays 9-11 in DISH Lab; Tutorials - TBA

Requirements of entry: Completion of Research Methods in Economic and Social History A

Assessment: Project length - 3000 words

Aims: To develop basic skills in source criticism, some quantitative methods, and rudimentary historical computing; To develop some skills in oral presentation; To introduce students to groupwork.

Course Co-ordinator: Prof Michael French

9KXW ECONOMIC & SOCIAL HISTORY 3: RESEARCH METHODS IN ECONOMIC AND SOCIAL HISTORY

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Class meetings Wednesdays 10-12; Tutorials TBA

Requirements of entry: 40 credits of Economic and Social History Level 1 at D or above; or, 40 credits of Economic and Social History Level 2 at D or above; or, 20 credits of ESH Level 1 and 20 credits of ESH Level 2 at D or above.

Assessment: Essay of 3000 words.

Aims: To build basic skills in the historiography and bibliography of Economic and Social History focusing primarly on a single theme; To enhance essay-writing skills; To develop and improve library skills.

Course Co-ordinator: To be confirmed

9LAW ECONOMIC & SOCIAL HISTORY 3: RESEARCH PROJECT IN ECONOMIC AND SOCIAL HISTORY

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: TBA

Requirements of entry: Completion of Research methods in Economic and Social History A, and of Studies in Economic and Social History at Grade D or above.

Assessment: Project length - 4000 words

Aims: To build on the skills and content of Research Methods in Economic and Social History A and of Studies in Economic and Social History; To enhance students' ability to work independently on a project that draws upon both primary and secondary historical sources.

Course Co-ordinator: Prof Michael French

9KZW ECONOMIC & SOCIAL HISTORY 3: STUDIES IN ECONOMIC AND SOCIAL HISTORY

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: TBA

Requirements of entry: 40 credits of Economic and Social History Level 1 at D or above; or, 40 credits of Economic and Social History Level 2 at D or above; or, 20 credits of ESH Level 1 and 20 credits of ESH Level 2 at D or above.

Co-requisites: Research Methods in Economic and Social History A and B

Assessment: Essay (2,000-3,000) words.

Aims: To provide intensive training through lectures and seminars on a general topic in Economic and Social History related to the project group in Research methods in Economic and Social History A and B

Course Co-ordinator: Prof Michael French

200F ECONOMIC AND SOCIAL HISTORY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: To progress to Honours students require:- 40 credits in Level One Economic and Social History at Grade B or above; OR 40 credits in Level Two Economic and Social History at Grade C or above. OR 20 credits in Level One Economic and Social History and 20 credits in Level Two Economic and Social History at Grade C or above, plus 20 credits at level 2 in either Economics at grade C or above or History at grade C or above. The Honours Co-ordinator has discretion over students who do not meet either of these criteria for entry into Honours.

Assessment: Unless otherwise specified all courses are examined in one 2-hour paper at the end of the year. Courses studied in Junior Honours are examined at the end of year 3 - two papers taken. Courses studied in Senior Honours are examined at the end of Year 4 - four papers taken (or two papers plus dissertation). Each examination paper is weighted as 70%, the classwork representing 30% based on one essay (20%) and one project (10%) for each course.

Degree Examination taken in: May/June

Aims: The Honours courses in Economic and Social History aim: to develop an understanding of the processes of economic development and social change; to explore the relationship between economic and social change; to provide understanding of the main patterns of economic and social change in the major economies to the present day; to relate the historical process of economic and social development to an understanding of contemporary issues.

Honours Course Prescription: Sources and Methods 1 + 2 and two from option list given below to be taken in Junior Honours year. Sources & Methods 3 plus three courses (or two and a dissertation) to be taken in Senior Honours year. Course Options: Banking, Financial Markets and Industry in Britain since 1844; British Economic Policy: The Labour Conservative Governments 1951 - 1964; British Economic Policy 1945-51: The Labour Government; Business History: Enterprise, Institutions and Performance Since 1850; Class and Poverty: Britain:1790-1885; Class and Society in Inter-War Britain; Creating Historical Databases; Crime and Punishment in Britain 1790-1880; Disease, Medicine and Society in Britain since 1860; Economic and Social History of Eastern Europe, 1918-1980s; Economic and Social History of the USA 1920-1950; Economic & Society in the American South, 1865-1940; Employers, Labour and the State in Britain 1880-1939; European Economic Integration 1945-1992; European Political Integration 1945-1992; Family Roles and Relationships in Britain c1750-1914; Gender and Class in Britain c1800-1914; German Big Business in the Twentieth Century; Industry and Innovation: International Perspectives; Innovations in Western Medicine since 1790; International Economic Relations 1945-85; Modern Economic and Social History of East Asia; Nature's Economy: Environment and Ecology in the Western Tradition; Popular Culture in Britain 1870-1930; Poverty and Progress: Britain 1890 - 1914; Revolution and Social Conflict in France, 1775-1880; Saints and Sinners, The Religions of the People in Early Modern England; Scotland since 1914; Sources of Growth in Postwar Japan; Studying History with Computers; Traditional Change and Resistance in Rural France 1814-1914; US Economy and Society since 1945; Work and Labour in Britain, 1940-1990; World War II: Economy and Society. Sources and Methods 1 and 2: Junior Honours only and Sources and Methods 3: Senior Honours only.

Course Co-ordinator: Prof Eleanor Gordon

200H ECONOMIC AND SOCIAL HISTORY 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: To progress to Honours students require:- 40 credits in Level One Economic and Social History at Grade B or above; OR 40 credits in Level Two Economic and Social History at Grade C or above. OR 20 credits in Level One Economic and Social History and 20 credits in Level Two Economic and Social History at Grade C or above, plus 20 credits at level 2 in either Economics at grade C or above or History at grade C or above. The Honours Co-ordinator has discretion over students who do not meet either of these criteria for entry into Honours.

Assessment: Unless otherwise specified all courses are examined in one 2-hour paper in a split diet. Courses studied in Junior Honours are examined at the end of year 3 - six papers are taken. Courses studied in Senior Honours are examined at the end of Year 4 - eight papers are taken (or six papers plus dissertation). Each examination paper is weighted as 70%, the classwork contributes 30%, based on one essay (20%) and one project (10%) for each course.

Degree Examination taken in: May/June

Aims: The Honours courses in Economic and Social History aim: to develop an understanding of the processes of economic development and social change; to explore the relationship between economic and social change; to provide understanding of the main patterns of economic and social change in the major economies to the present day; to relate the historical process of economic and social development to an understanding of contemporary issues.

Honours Course Prescription: Sources and Methods 1 + 2 and two from option list given below to be taken in Junior Honours year. Sources & Methods 3 plus three courses (or two and a dissertation) to be taken in Senior Honours year. Course Options: Banking, Financial Markets and Industry in Britain since 1844; British Economic Policy: The Labour Conservative Governments 1951 - 1964; British Economic Policy 1945-51: The Labour Government; Business History: Enterprise, Institutions and Performance Since 1850; Class and Poverty: Britain:1790-1885; Class and Society in Inter-War Britain; Creating Historical Databases; Crime and Punishment in Britain 1790-1880; Disease, Medicine and Society in Britain since 1860; Economic and Social History of Eastern Europe, 1918-1980s; Economic and Social History of the USA 1920-1950; Economic & Society in the American South, 1865-1940; Employers, Labour and the State in Britain 1880-1939; European Economic Integration 1945-1992; European Political Integration 1945-1992; Family Roles and Relationships in Britain c1750-1914; Gender and Class in Britain c1800-1914; German Big Business in the Twentieth Century; Industry and Innovation: International Perspectives; Innovations in Western Medicine since 1790; International Economic Relations 1945-85; Modern Economic and Social History of East Asia; Nature's Economy: Environment and Ecology in the Western Tradition; Popular Culture in Britain 1870-1930; Poverty and Progress: Britain 1890 - 1914; Revolution and Social Conflict in France, 1775-1880; Saints and Sinners, The Religions of the People in Early Modern England; Scotland since 1914; Sources of Growth in Postwar Japan; Studying History with Computers; Traditional Change and Resistance in Rural France 1814-1914; US Economy and Society since 1945; Work and Labour in Britain, 1940-1990; World War II: Economy and Society. Sources and Methods 1 and 2: Junior Honours only and Sources and Methods 3: Senior Honours only.

Course Co-ordinator: Prof Eleanor Gordon

200G ECONOMIC AND SOCIAL HISTORY 4H (JOINT)

(See: 200F ECONOMIC AND SOCIAL HISTORY 3H (JOINT))

200J ECONOMIC AND SOCIAL HISTORY 4H (SINGLE)

(See: 200H ECONOMIC AND SOCIAL HISTORY 3H (SINGLE))

Economics

2NRU ECONOMICS 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Daily - 2.00 pm; Weekly tutorials Terms 1, 2 and 3 at times to be arranged

Assessment: Class essay not exceeding 1500 words on a Microeconomic topic. End-of-course 3-hour unseen examination comprising one structured question on Microeconomics, one structured question on Macroeconomics and five compulsory short notes on mixed Microeconomic and Macroeconomic topics.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide an overall introduction to economics starting with an examination of the operation of the market mechanism in theory and practice including international trade; to provide an examination of the working of the economy as a whole, and the purposes and methods of government activity in a 'mixed' economy, including macroeconomic policy towards the problems presented by business cycles, inflation and unemployment in an open economy; to provide a foundation for further study of economics at Level 2 i.e. Economics 2; to encourage students to take responsibility for their own learning (self-directed learning) and to acquire skills in relevant to a wide range of situations beyond the course: how to think analytically, to express themselves clearly and directly, and to employ information technology.

Course Co-ordinator: Mr Terence Moody

7JLV ECONOMICS 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: 1.00 pm daily. Tutorials at times to be arranged.

Requirements of entry: Economics 1 at grade D

Excluded Courses: Economics for Business Administration 2

Assessment: Macroeconomics class examination (December): 10%; Microeconomics class examination (March): 10%; 2 x Mathematical Economics Assignments (November & December): 5% each; end of course examinations in Macro and Micro (May/June): 50%; end of course examination in Mathematical Economics & Data Analysis: 20%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The main aims of this course are: to provide a solid foundation in economic analysis on which to build the more advanced theoretical and applied work of subsequent honours level Economics courses; to consider problems of macroeconomic adjustment and the potential role for policy intervention in the face of unemployment and inflation; to outline and explain the usefulness of the basic tools of consumption and production theory, the operation of markets and optimisation in an economic context; to outline the role of mathematical techniques as applied to economics problems; to locate modern ideas in the areas of micro and macro-economics in time and to trace their historical development.

Course Co-ordinator: Mr Robin Milne

8ARV ECONOMICS FOR BUSINESS ADMINISTRATION 2

Credits: 30 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Daily at 1.00 p.m., with weekly tutorials at times to be arranged.

Requirements of entry: Grade D in Economics 1

Excluded Courses: Students may not take both EBA2 and EBA2 (Macroeconomics)

Assessment: Macroeconomics class examination (December): 10%; Microeconomics class examination (March): 10%; 2 x Mathematical Economics assignments (November/December): 5% each; end of course examination in Macro and Micro (May/June): 50%; end of course examination in Mathematical Economics (May/June): 20%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1) To provide a solid foundation in intermediate microeconomic and intermediate macroeconomic analysis on which to build more advanced theoretical and applied work in subsequent study in honours level Economics courses; 2) To consider problems of macroeconomic adjustment in both a closed and an open economy and the potential role for policy in the face of unemployment and inflation; 3) To build a familiarity with the basic tools of consumption and production theory, the operation of markets and optimisation in an economic context; 4) To develop skills in using mathematics applied to economic problems.

Course Co-ordinator: Mr Robin Milne

9PTW ECONOMICS 3: HOUSING ECONOMICS

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 2 lectures per week, terms 1 and 2

Requirements of entry: Grade D or above in either Economics 2 or Economics for Business Administration 2.

Assessment: The required essay length is 2,500 words.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this course is to provide students with a clear grounding in the principles of housing economics and to demonstrate its importance in several realms of contemporary debates about policy, social welfare and urban economics.

Course Co-ordinator: Ms Jeanette Findlay

2NRF ECONOMICS 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 3.00 pm. Other times to be arranged, depending on options selected.

Requirements of entry: Grade C or better in Economics 2

Assessment: A system of split diets is operated. All courses (except Dissertation and Government and the Economy) to be assessed by three-hour end of course examination (70%) and coursework (30%). Government and the Economy to be assessed by two-hour end of course examination (40%) and coursework, the latter comprising an essay (30%) and briefing notes (30%). Economic Analysis and one option to be examined in 3H, and Government and the Economy and one option to be examined in 4H. Final overall assessment takes account of performance in joint honours subject and all papers are weighted equally.

Degree Examination taken in: May/June

Aims: To develop in students an appreciation of the scope of economics and its relevance to a wide range issues, including social, political and other issues of public concern; to develop students' knowledge and understanding of economic concepts, approaches and analytical methods with core emphasis on microeconomic and macroeconomic analysis; to equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics, to relate the academic study of economics to problems of economic policy and issues of public concern; to create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; to develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; to provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

Honours Course Prescription: Economic Analysis; Government and the Economy; and TWO other courses from: Introduction to Econometrics; The Economics of Business; Financial Economics and Financial Institutions; Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare Economics and Public Policy; Housing Economics; Method and Appraisal in Economic Analysis; Age and Ideas of Adam Smith 1750-1790; The Economics of Natural Resources and the Environment; Regional Economics and the Scottish Economy. A dissertation may be substituted for one of these courses. Students will normally take Economic Analysis and one option in 3H and Government and the Economy and one option (or a dissertation) in 4H. Students taking joint honours in Economics and Law take Economic Analysis, Government and the Economy, and one other course from the above (or a dissertation).

Course Co-ordinator: Mr Terence Moody

2NRH ECONOMICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 3H: daily at 3.00 pm. Tuesday 2.00 pm, Wednesday 10.00 am. 4H: daily at 3.00 pm. 3H/4H: other times depending on choice of options.

Requirements of entry: Grade C or better in Economics 2

Assessment: A system of split diets is operated. All courses (except Dissertation and Government and the Economy) to be assessed by three-hour end of course examination (70%) and coursework (30%). Government and the Economy to be assessed by two-hour end of course examination (40%) and coursework, the latter comprising an essay (30%) and (30%). Economic Analysis, and Introduction to Econometrics and two options to be examined in 3H, and all others in 4H. All papers are weighted equally.

Degree Examination taken in: May/June

Aims: To develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; to develop students' knowledge and understanding of economic concepts, approaches and analytical methods with core emphasis on microeconomic analysis and econometrics; to equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics, to relate the academic study of economics to problems of economic policy and issues of public concern; to create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; to develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; to provide students with a knowledge and skill base from which they can proceed to further studies in economics and related or in multidisciplinary areas that involve economics.

Honours Course Prescription: Economic Analysis; Government and the Economy; Introduction to Econometrics; a Dissertation; and FOUR from: The Economics of Business; Financial Economics and Financial Institutions; Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare Economics and Public Policy; Housing Economics; Method and Appraisal in Economic Analysis; Age and Ideas of Adam Smith 1750-1790; The Economics of Natural Resources and the Environment; Regional Economics and the Scottish Economy, at least TWO of which must be

taken from: The Economics of Business; Financial Economics and Financial Institutions; Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare Economics and Public Policy. Note that a student may take up to two honours papers from another Social Science honours subject, subject to the approval of the heads of departments involved. Students will normally take Economic Analysis, Introduction to Econometrics and two options in 3H, and Government and the Economy, Disseration and two options in 4H. Students may also take Economics with a Subsidiary Language.

Course Co-ordinator: Mr Terence Moody

2NRK ECONOMICS JH PRINCIPAL

Credits: 90 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 3H: daily at 3.00 pm. Tuesday 2.00 pm, Wednesday 10.00 am. 4H: daily at 3.00 pm. 3H/4H: other times depending on choice of options.

Requirements of entry: Grade C or better in Economics 2

Assessment: A system of split diets is operated. All courses (except Dissertation and Government and the Economy) to be assessed by three-hour end of course examination (70%) and coursework (30%). Government and the Economy to be assessed by two-hour end of course examination (40%) and coursework, the latter examination comprising an essay (30%) and (30%). Economic Analysis, and Introduction to Econometrics and one option to be examined in 3H, and all others in 4H. All papers are weighted equally.

Degree Examination taken in: May/June

Aims: To develop in students an appreciation of the scope of economics and its relevance to a wide range of issues, including social, political and other issues of public concern; to develop students' knowledge and understanding of economic concepts, approaches and analytical methods with core emphasis on microeconomic analysis and econometrics; to equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics, to relate the academic study of economics to problems of economic policy and issues of public concern; to create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; to develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; to provide students with a knowledge and skill base from which they can proceed to further studies in economics and related or in multidisciplinary areas that involve economics.

Honours Course Prescription: (This course is taken with a subsidiary language). Economic Analysis; Government and the Economy; Introduction to Econometrics; a Dissertation; and FOUR from: The Economics of Business; Financial Economics and Financial Institutions; Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare Economics and Public Policy; Housing Economics; Method and Appraisal in Economic Analysis; Age and Ideas of Adam Smith 1750-1790; The Economics of Natural Resources and the Environment; Regional Economics and the Scottish Economy, at least TWO of which must be taken from: The Economics of Business; Financial Economics and Financial Institutions; Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare Economics and Public Policy. Note that a student may take up to two honours papers from another Social Science honours subject, subject to the approval of the heads of departments involved. Students will normally take Economic Analysis,Introduction to Econometrics and two options in 3H, and Government and the Economy, disseration and two options in 4H. Students may also take Economics with a Subsidiary Language. In this case, students will take: Economic Analysis, Government and the Economy; Introduction to Econometrics; a Disseration; and TWO from the above list, at least ONE of which must be from: The Economics of Business; Financial Economics and Financial Institutions; Economic Problems of Developing Countires; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare Economics and Public Policy plus two papers in the subsidiary Language. Students taking this combination will normally take Economic Analysis, Introduction to Econometrics and one option in 3H, and Government and the Economy, Dissertation and one option in 4H.

Course Co-ordinator: Mr Terence Moody

3BKF ECONOMICS WITH BUSINESS ECONOMICS 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 3.00 pm. Other times to be arranged.

Requirements of entry: Grade C or better in Economics 2.

Assessment: A system of split diets is operated. All courses (except dissertation) to be assessed by three-hour end of course examination (70%) and coursework (30%). Economics of Business and one option to be assessed in 3H, and all others in 4H. Final overall assessment takes account of performance in joint honours subject and all papers are equally weighted.

Degree Examination taken in: May/June

Aims: To develop in students an appreciation of the scope of economics and its relevance to a wide range issues, including social, political and other issues of public concern; to develop students' knowledge and understanding of economic concepts, approaches and analytical methods with particular emphasis on those appropriate to study of the modern corporation and the markets and environment in which it operates; to equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; to relate the academic study of economics to problems of economic policy and issues of public concern; to create a learning environment that is receptive to the needs and views of students and encourages them to achieve

their full potential; to develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; to provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

Honours Course Prescription: Students taking Joint Honours in Business Economics take: The Economics of Business; Financial Economics and Financial Institutions; and TWO of the following: Introduction to Econometrics; Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare Economics and Public Policy; Housing Economics; Method and Appraisal in Economic Analysis; Age and Ideas of Adam Smith 1750-1790; The Economics of Natural Resources and the Environment; Regional Economics and the Scottish Economy. Students will normally take Economics of Business and one option in 3H, and Financial Economics and Financial Institutions and one option (or dissertation) in 4H. NOTE: students taking Joint Honours in Business Economics and Law take Economics of Business, Financial Economics and Financial Institutions, Economics of Business, and one option.

Course Co-ordinator: Mr Terence Moody

6KCH ECONOMICS WITH BUSINESS ECONOMICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 3.00 pm. Other times to be arranged.

Requirements of entry: Grade C in Economics 2 or better.

Assessment: A system of split diets is operated. All courses (except dissertation and Government and the Economy) to be assessed by three-hour end of course examination (70%) and coursework (30%). Government and the Economy to be assessed by two-hour end of course examination (40%) and coursework, the latter comprising an essay (30%) and briefing notes (30%). Economic Analysis, Introduction to Econometrics Economics of Business and one option to be examined in 3H, and all others in 4H. In final overall assessment, all papers are weighted equally.

Degree Examination taken in: May/June

Aims: To develop in students an appreciation of the scope of economics and its relevance to a wide range issues, including social, political and other issues of public concern; to develop students' knowledge and understanding of economic concepts, approaches and analytical methods with core emphasis on microeconomic and macroeconomic analysis, econometrics and the study to the modern corporation and the markets and environment in which it operates; to equip students to apply knowledge and skills to the solution of theoretical and applied problems in economics; to relate the academic study of economics to problems of economic policy and issues of public concern; to create a learning environment that is receptive to the needs and views of students and encourages them to achieve their full potential; to develop students' facility with a range of key cognitive and social skills, through the study of economics, that are relevant to intellectual and personal development and of value in employment and self-employment; to provide students with a knowledge and skill base from which they can proceed to further studies in economics and related areas or in multidisciplinary areas that involve economics.

Honours Course Prescription: Economic Analysis; Government and the Economy; Introduction to Econometrics; The Economics of Business; Financial Economics and Financial Institution; Dissertation; and TWO from the following: Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics and Macroeconomics; Welfare Economics and Public Policy; Housing Economics; Method and Appraisal in Economic Analysis; Age and Ideas of Adam Smith 1750-1790; The Economics of Natural Resources and the Environment; Regional Economics and the Scottish Economy, at least ONE of the options must be taken from Economic Problems of Developing Countries; Economics of Industry; International Trade and Finance; Topics in Macroeconomics; Welfare and Public Policy. Students will normally take Economic Analysis, Introduction to Econometrics, Economics of Business and one option in 3H, and Government and the Economy, Dissertation, Financial Economics and Financial Institutions and one option in 4H.

Course Co-ordinator: Mr Terence Moody

2NRG ECONOMICS 4H (JOINT)

(See: 2NRF ECONOMICS 3H (JOINT))

2NRJ ECONOMICS 4H (SINGLE)

(See: 2NRH ECONOMICS 3H (SINGLE))

2NRL ECONOMICS SH PRINCIPAL

(See: 2NRK ECONOMICS JH PRINCIPAL)

3BKG ECONOMICS WITH BUSINESS ECONOMICS 4H (COMBINED)

(See: 3BKF ECONOMICS WITH BUSINESS ECONOMICS 3H (COMBINED))

6KCJ ECONOMICS WITH BUSINESS ECONOMICS 4H (SINGLE)

(See: 6KCH ECONOMICS WITH BUSINESS ECONOMICS 3H (SINGLE))

Educational Studies

2WCU FUNDAMENTALS OF EDUCATION 1A

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures Monday and Tuesday, 11.00 am-12.00 noon weekly. Seminars Wednesday or Friday 11.00 am-12.00 noon weekly.

Requirements of entry: General interest in education.

Assessment: One 2 hour written examination (50%). One essay in January (30%). Seminar work (20%). Written examination resit.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) Introduction to the academic study of education; (2) discusses social and political aspects of education; (3) provides knowledge of the schooling systems of Scotland and England and relevant educational policy.

Course Co-ordinator: Mr John Dakers

2WDU FUNDAMENTALS OF EDUCATION 1B

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures Monday and Tuesday, 11.00 am-12.00 noon weekly. Seminars Wednesday or Friday 11.00 am-12.00 noon weekly.

Requirements of entry: Interest in education.

Assessment: One 2 hour written examination (50%). One essay in April (30%). Seminar work (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) Introduction to the academic study of education; (2) deals with the concepts of freedom, authority and punishment; (3) discusses the changing nature of equality in education.

Course Co-ordinator: Mr John Dakers

8JJV LEARNING SOCIETY: ISSUES IN MODERN EDUCATION 2

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures Monday, Tuesday and Wednesday 2.00 pm -3.00 pm weekly. Seminars Thursday 2.00 pm - 3.00 pm weekly.

Requirements of entry: Grade D or better in one or both level 1 Education courses (Fundamentals of Education A or B). Sociology 1 or Social Policy 1.

Assessment: One written examination (50%); one essay (Dec, Jan) (30%); Seminar work (20%). Written examination resit.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) To investigate twentieth century educational thought; (2) to discuss mulitcultural approaches to learning; (3) to assess recent changes in education policy and practice. Also see 7EYV under Adult and Continuing Education.

Honours Course Prescription: n/a

Course Co-ordinator: Mr John Dakers

9MGW DEVELOPING EDUCATIONAL PROVISION IN EUROPE

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Timetable is to be arranged

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course will: Develop understanding and insight into how theory of education has informed educational systems; Help students to make knowledge connections between educational theories and educational practices in history; Develop students qualitative research skills.

Course Co-ordinator: Mr John Dakers

9MDW SUPPORTING AND UNDERSTANDING LEARNERS AND LEARNING

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Times and days to be arranged. Two lectures per week (1 hour duration): twelve lectures per unit. Two units per course. One seminar per week, beginning week 3 of course: 8 seminars total

Co-requisites: Students should have successfully completed level 2 courses The learning society: issues in modern education and The learning society: adult and continuing education; or successfully completed level 2 courses in a social science subject.

Assessment: 1 class essay on a topic derived from the student's own research and reading and from the presented work of the class. This essay will be of 3000 words length and will be submitted in Semester 1; 1 formal end of course examination which will take place at the end of the semester in January in common with the assessment practice of the University. This examination will be of 3 hours duration and will test attainment of the learning outcomes of the course. All assessment of the Level 3 courses will be in accordance with the Code of Assessment of the University of Glasgow.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course will: Build upon understandings gained in Education 1 and 2 and cognate courses, by affording students deeper understanding and insight into how education works, both within the systems of the UK and beyond them; Develop student study skills, in particular accessing and using educational research; Develop understanding and skills in ICT and interactive work; Develop student discursive and interpretative skills through appropriate interactive and assessment activities; Provide students with a progression in the study of Education towards honours level within the University of Glasgow.

Course Co-ordinator: Mr John Dakers

Electronics & Electrical Engineering

7LPU ELECTRONIC ENGINEERING 1X

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Assessment: 30% Continuous Assessment - Class tests and laboratories. 70% Degree examination - 2 hours, no choice of questions

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: Digital Electronics aims to introduce basic concepts of digital electronics. Analogue Electrics aims to introduce the basic concepts of analogue electronic circuits and to apply these concepts to d.c. and a.c. circuits. Laboratory aims to give practical experience of designing and measuring analog and digital circuits. To illustrate lecture material with practical examples. To develop report writing skills.

Course Co-ordinator: Dr John Williamson

7LRU ELECTRONIC ENGINEERING 1Y

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Requirements of entry: Electronic Engineering 1X

Assessment: 30% Continuous assessment - Class tests and laboratories. 70% Degree examination - 2 hours, no choice of questions.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Digital Electronics aims to introduce basic concepts of synchronous and asynchronous digital electronics. Analogue Electronics aims to apply the basic concepts of analogue electronics to practical circuits such as RC filters and amplifiers, both Op amp and transistor. Laboratory aims to give practical experience of designing and measuring analog and digital circuits. To illustrate lecture material with practical examples. To develop report writing skills.

Course Co-ordinator: Prof John Davies

7MEV ANALOGUE ELECTRONICS 2

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Requirements of entry: Electronic Engineering 1X and 1Y. Engineering Mathematics EE1X and EE1Y or equivalent.

Assessment: 90% 2 hour exam and 10% lab record.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. Analogue Signal Processing - To introduce the use of simple analogue building block in terms of terminal and transfer properties, to be able to calculate those properties for simple circuits based on operational amplifiers and bipolar transistors, and to combine these elements to match input and output transducers. 2. Laboratory - To reinforce theoretical material taught in lectures.

Course Co-ordinator: Dr John Williamson

7MAV COMPUTER ARCHITECTURE 2

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Requirements of entry: Electronic Engineering 1X and 1Y

Excluded Courses: Computer Systems 2

Assessment: 90% Degree Examination - 2 hour paper; 10% lab

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: 1. Computer Architecture aims to provide an introduction to computer processor and memory architectures, and to the design of personal computer systems. 2. Laboratory aims to provide practical experience of basic microprocessor architecture using simulations of digital systems from a parallel adder/subtractor to a simple digital computer.

Course Co-ordinator: Dr Martin MacAuley

7LTV DIGITAL ELECTRONICS 2

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Requirements of entry: Electronics and Electrical Engineering 1X and 1Y

Assessment: 90% Degree Examination; 10% Course Work

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To analyse and design simple combinational and sequential digital logic systems.

Course Co-ordinator: Dr David Muir

0FWV ELECTRICAL CIRCUITS 2

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 2 lectures weekly. 3 labs during the semester.

Requirements of entry: Electronic Engineering 1X and 1Y; Engineering Mathematics EE1X and EE1Y or equivalent

Assessment: 15% Course work, Laboratory and laboratory record book. 85% Degree examination - 2 hour paper with two sections. Section A is compulsory, 3 questions to be selected from Section B

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide a basic understanding of the behaviour of electrical circuits containing inductance, capacitance and resistance when transient DC and AC signals are applied to them. To establish the relationship between the forced transient solution and the impedance representation. Laboratory: To reinforce material taught in lectures, and to illustrate measurement and analysis techniques.

Course Co-ordinator: Prof Colin Stanley

5MCV ELECTRONIC DESIGN PROJECT 2

Credits: 10 *Level:* 2

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D in Electronics and Electrical Engineering 1 and average of grade D in courses from Mathematics 1R, 1S, 1T, 1X, 1Y.

Co-requisites: Analog Electronics 2, Digital Electronics 2

Assessment: 50% assignments (project log book and report, component selection report); 50% class tests (2).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to the design and realisation of electronics systems to solve engineering problems, good engineering design practice, tools and materials relevant to electronics and electrical engineering. To provide initial training in the practical skills required by professional engineers.

3KFV ELECTRONIC DEVICES 2

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: First term.

Requirements of entry: Engineering Physics EEI or equivalent

Assessment: 90% Degree Examination; 10% lab

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide an understanding of how electronic devices work, from the atomic level upwards; to show the origins of the important physical laws which govern device operation and give an introduction to the technology of semiconductor devices. To show how semiconductor physics can be used to predict the operation of common devices and to calculate the parameters needed for analysing circuits.

Course Co-ordinator: Prof Charles Ironside

7MBV EMBEDDED PROCESSORS 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Requirements of entry: Introductory Programming 1 or Introductory Programming EE1, Electronic and Electrical Engineering 1X and 1Y

Co-requisites: Computer Architecture 2 or Computing Systems 2

Assessment: 90% Degree Examination - 2 hour paper; choice of 4 questions from 6. 10% Laboratory and laboratory record book

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. Assembly Language, Processor Application aims to provide an introduction to embedded processor systems and applications. To explain the operating principles and provide a functional understanding of assembly language, high level language (C), and interfacing or peripherals in an embedded processor system. 2. Laboratory aims to provide practical experience of programming a real microprocessor (the Motorola 6805) and of interfacing simple peripherals by writing small assembly and high level language programs.

Course Co-ordinator: Mr Fernando Rodriguez

3KJV ENGINEERING ELECTROMAGNETICS 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: To be advised

Requirements of entry: Grade D in Physics 1X and 1Y and average of grade D in courses from Mathematics 1R, 1S, 1T, 1X, 1Y

Assessment: 20 % Laboratory work and tutorials. Average mark of two laboratory reports and selected tutorials questions. 80% Degree Examination 2 hours.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To understand the basics of engineering electromagnetics, and its application to real problems. Computer aided modelling of field and flux patterns in real engineering components. Understanding and uses of different magnetic materials.

Course Co-ordinator: Prof David Hutchings

7MHV INTRODUCTION TO ASSISTIVE TECHNOLOGY 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Requirements of entry: Electronics and Electrical Engineering 1, Physics EER1, Physics 1X and 1Y, Physics 1P and 1Q, Level 1 IBLS course, Level 1 Chemistry, Mathematics 1R and 1T, Mathematics 1X and 1Y, Level 1 Computing Science or at the discretion of the class lecturer.

Assessment: Assignment (Assessed tutorial) = 10%, Assignment (Two information finding and report writing assignments =20%, Degree Examination (2 hours) =70%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this course is to introduce students to assistive technologies and devices for people with disabilities - the hearing, vision and mobility impaired. These technologies and devices can enable people with disabilities to live and work independently. There will also be increasing demands for them to new legislation and increasing recognition of disability issues. Therefore the area of assistive technology is likely to be an expanding area and provide new career opportunities. To gain more in depth understanding of the principles of two assistive technology devices and/or technologies.

To obtain state of the art information on two assistive technology devices and/or technologies.

Course Co-ordinator: Dr Marion Hersh

4A1H ELECTRONICS AND SOFTWARE ENGINEERING 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Varies

Requirements of entry: To enter Honours in Electrical and Software Engineering a student must: have a grade-point average of at least 12 (i.e. C) at the first attempt over all the pre-requisite Level 2 Computing Science courses; passed (grade D) every Electrical Engineering course that is a prerequisite for ESE3H.

Assessment: Each Computing Science course is assessed by examination and coursework as detailed in course descriptions.

Degree Examination taken in: May/June

Aims: The academic aim of the Electronic and Software Engineering (ESE) degree course is to provide students with a deep understanding of both hardware and software, and the skills to work with teams to design and build complete computerised systems. Students also choose selected topics to study in considerable depth; this means that the best Honours graduates are also equipped to enter research programmes. The professional aim is to provide the electronic engineering and software engineering education necessary to design computer systems that are embedded within larger engineering systems (e.g. flight control systems, industrial plant control systems). Graduates will need a broad knowledge of software and hardware, deep knowledge of selected topics, and extensive practical experience. The technology is changing so rapidly that knowledge of specific systems rapidly becomes obsolete. So, although the degree is regularly updated, the aim is to emphasise unchanging principles and to encourage independent study habits that will stand graduates in good stead throughout their professional careers. The degree also aims to give graduates experience of electronic and software engineering in an industrial context, to this end and integral part of the degree is an industrial placement between the third and fourth years.

Honours Course Prescription: Level 3: Team Project ESE3, Advanced Programming 3, Operating Systems 3, Professional Software Development 3 Networked Systems Architecture 3 plus courses required by the Department of Electronics and Electrical Engineering and summer placement. For fuller details see our website http://www.dcs.gla.ac.uk/courses/teaching/general/Progression_ESE.html .

Course Co-ordinator: Prof Raymond Welland

4A1J ELECTRONICS AND SOFTWARE ENGINEERING 4H (SINGLE)

(See: 4A1H ELECTRONICS AND SOFTWARE ENGINEERING 3H (SINGLE))

English Language

3YTU ENGLISH LANGUAGE 1A

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Monday, Tuesday, Thursday - 3.00 pm; weekly tutorials

Excluded Courses: English Language 1A/1B

Assessment: One two hour paper (80%); class assignment 20%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide: (1) an understanding of how language works, with particular reference to the contexts and structures of English; (2) skill in the use of basic tools describing and discussing language; (3) knowledge of the structure and development of English sounds, words and grammar; (4) knowledge of the history of the English language in its literary and social contexts; (5) an awareness of the effects of linguistic phenomena on different kinds of communication.

Course Co-ordinator: Dr John Corbett

5NHU ENGLISH LANGUAGE 1A AND 1B

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Thursday - 3.00 pm; weekly tutorials.

Requirements of entry: As in present 1A and 1B

Excluded Courses: English Language 1A, English Language 1B

Assessment: Exercise (November) 10%; Class Test (Semester 1, Jan/Feb) 30%; Exercise (Semester 1, Feb/March) 10%; Degree examination (May/June) 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide: (1) an understanding of how language works, with particular reference to the contexts and structures of English; (2) skill in the use of basic tools describing and discussing language; (3) knowledge of the structure and development of English sounds, words and grammar; (4) knowledge of the history of the English language in its literary and social contexts; (5) an awareness of the effects of linguistic phenomena on different kinds of communication.

Course Co-ordinator: Dr John Corbett

3YWU ENGLISH LANGUAGE 1B

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Monday, Tuesday, Thursday - 3.00 pm; weekly tutorials.

Co-requisites: English Language course 1A as a co-requisite

Excluded Courses: English Language 1A/1B

Assessment: One two hour paper (80%); class exercise (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide (1) an understanding of how language works, with particular reference to the contexts and structures of English; (2) skill in the use of basic tools describing and discussing language; (3) knowledge of the structure and development of English sounds words and grammar; (4) knowledge of the history of the English language in its literary and social contexts; (5) an awareness of the effects of linguistic phenomena on different kinds of communication.

Course Co-ordinator: Dr John Corbett

7FPV ENGLISH LANGUAGE LEVEL 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Thursday at 2.00 pm; weekly tutorials.

Requirements of entry: Level 1 English Language

Assessment: Continuous Assessment; Degree Examination

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To give students an overview of key issues and topics in modern and historical English Language, within an integrated framework.

Course Co-ordinator: Dr Carole Hough

3YTF ENGLISH LANGUAGE 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Class hour 12.00 noon for 3H, 10.00 am for 4H; other times to be arranged.

Requirements of entry: Usually at least a GPA of 26 in English Language 2

Assessment: Four papers taken in 4H year (75%); essay/seminar work (25%), optional dissertation in place of one paper, optional submission of set of essays for one of certain papers.

Degree Examination taken in: May/June

Aims: The English Language papers in this course enable students to explore a selection of topics in Medieval Language and Literature, the History of English and Scots, and Modern English Language in greater depth, and to relate these topics to each other, and, where relevant, to topics studied in another subject. Papers can be chosen in a wide range of combinations, though in some cases a Senior Honours paper may require previous study of a Junior Honours paper.

Honours Course Prescription: Four papers taken from: Culture and English Language Teaching; Germanic Philology; Grammars of English; History of English I; History of English II; History of Scots; Later Medieval English Literature; Literary and Linguistic Computing for English; Medieval English Manuscripts in Context; Medieval Latin; Early Middle English Literature; Old English Literature; Old French Literature; Old Icelandic; Onomastics: the History and Function of Names; Phonetics and Phonology I - Articulation and Accent; Phonetics and Phonology II - Experimental Phonetics and Phonological Theories; Pragmatics and Spoken Discourse; Semantics of English; Sociolinguistics; Stylistics of Scottish Literature; Written Text and Narrative.

Course Co-ordinator: Prof Jeremy Smith

3YTH ENGLISH LANGUAGE 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Class hour 12 noon for 3H, 10.00 am for 4H; other times to be arranged.

Requirements of entry: Usually at least a GPA of 26 in English Language 2 and at least a grade point average of 10 in English Literature Level 1 (2 courses) or English Literature 1, none of these courses falling below grade D. Exceptionally, students may be admitted who have achieved the required points in English Literature and 32 grade points in English Language 1A and 1B, or English Language 1.

Assessment: Eight papers taken in 4H year (75%); essay/seminar work (25%), dissertation in place of one paper, optional submission of set of essays for one of certain papers.

Degree Examination taken in: May/June

Aims: The English Language papers in this course enable students to explore a selection of topics in Medieval Language and Literature, the History of English and Scots, and Modern English Language in greater depth, and to relate these topics to each other, and, where relevant, to topics studied in another subject. Papers can be chosen in a wide range of combinations, though in some cases a Senior Honours paper may require previous study of a Junior Honours paper.

Honours Course Prescription: Eight courses taken from: Culture and English Language Teaching; Germanic Philology; Grammars of English; History of English I; History of English II; History of Scots; Later Medieval English Literature; Literary and Linguistic Computing for English; Medieval English Manuscripts in Context; Medieval Latin; Old and Early Middle English Literature; Old English Literature; Old French Literature; Old Icelandic; Onomastics: the History and Function of Names; Phonetics and Phonology I - Articulation and Accent; Phonetics and Phonology II - Experimental Phonetics and Phonological Theories; Pragmatics and Spoken Discourse; Semantics of English; Sociolinguistics; Stylistics of Scottish Literature; Written Text and Narrative.

Course Co-ordinator: Prof Jeremy Smith

3YTG ENGLISH LANGUAGE 4H (JOINT)

(See: 3YTF ENGLISH LANGUAGE 3H (JOINT))

3YTJ ENGLISH LANGUAGE 4H (SINGLE)

(See: 3YTH ENGLISH LANGUAGE 3H (SINGLE))

English Literature

6YAU ENGLISH LITERATURE 1A: INTRODUCTION TO LITERARY STUDY

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Group 1: Monday to Friday - 11.00 am; seminars. Group 2: Monday to Friday - 12.00 noon; seminars.

Assessment: Tutorial attendance (10%); One essay (1500-2000 words) (30%) and one examination (2 hours) (60%). (subject to Faculty approval)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The overall aim of the course is to: (1) introduce students to a range of texts of different genres and historical periods; (2) develop their capacity for sensitive and detailed reading of texts; (3) develop their capacity in writing, and in group discussion, for the critical analysis of texts and the constructing of viable arguments about texts and the issues which arise from them.

Course Co-ordinator: Mr David Newell

4EDU ENGLISH LITERATURE 1B: WRITING AND SELF

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Group 1: Monday to Friday - 11.00 am; seminars. Group 2: Monday to Friday - 12.00 noon; seminars.

Co-requisites: Regular attendance and submission of work for English Literature 1A

Assessment: Tutorial attendance (10%); One essay (1500-2000 words) (30%) and one examination (2 hours) (60%). (subject to Faculty approval)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to encourage close and attentive reading; (2) to develop literate writing skills; (3) to develop a capacity for informed and cogent argument; (4) to foster discussion and debate.

Course Co-ordinator: Dr Kirstie Blair

7EXV ENGLISH LITERATURE 2A:WRITING &IDEOLOGY

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Group 1: Monday to Friday - 10.00 am; seminars. Group 2: Monday to Friday - 11.00 am; seminars.

Requirements of entry: Grade D in English Literature 1A and 1B.

Assessment: Tutorial performance (10%); one essay (2000-3000 words) (30%); one examination (3 hours) (60%). (subject to Faculty approval)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To enable students: (1) to further and reinforce their capacity for detailed, informed and critical reading of texts; (2) to further and reinforce their capacity in writing and in group discussion, for the critical analysis of texts and the construction of viable arguments about texts and the issues which arise from them; (3) to develop their awareness of the ways in which aspects of texts may generate or be generated by ideology; (4) to alert them to the broader cultural significance of literary production.

Course Co-ordinator: Dr Alice Jenkins

7EWV ENGLISH LITERATURE 2B WRITING & TEXT

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Group 1: Monday to Friday - 10.00 am; seminars. Group 2: Monday to Friday - 11.00 am; seminars.

Requirements of entry: Grade D in English Literature 1A and 1B

Co-requisites: Regular attendance at tutorials and submission of class work for English Literature 2A

Excluded Courses: None

Assessment: Tutorial performance (10%); one essay (2000-3000 words) (30%); one examination (3 hours) (60%). (subject to Faculty approval)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to build upon the knowledge of texts already acquired in earlier courses; (2) to build upon the various critical and analytical skills already acquired in earlier courses; (3) specifically to move from 1 and 2 to an awareness of the complex relationships that texts have with each other both formally and ideologically; (4) to develop some sense of how writing affects other cultural phenomena and is affected by them; (5) to demonstrate that the relationships suggested in 3 and 4 are subject to the pressures of time and place. Subject-specific skills: students should be able to: (1) analyse a text in an awareness of how its literary features relate to the writing practices of other texts; (2) give an account of the thematic content of a text with reference to how that content is presented; (3) compare the relationship between themes and textual strategies of texts on the course.

Course Co-ordinator: Dr Andrew Radford

3YXH ENGLISH LANGUAGE AND LITERATURE 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: English Language Class Hour 12.00 noon for 3H, 10.00 am for 4H; other times to be arranged.

English Literature Class Hour 10.00 am for 3H, 12 noon for 4H; other times to be arranged.

Requirements of entry: An aggregate of 27 grade points in English Literature 2A and 2B, including a B grade or 15 points in the 20-point scale in at least one level 2 course; and at least 26 grade points usually in English Language 2. Exceptionally, students may be admitted who have achieved an aggregate of 27 grade points in English Literature 2A and 2B, including a B grade or 15 points in the 20-point scale in at least one level 2 course, and 32 grade points in English Language 1A and 1B.

Assessment: Eight papers taken in 4H year (75%) ; essay/seminar work (25%), optional dissertation/extended essay in place of one paper; submission of set of essays for certain papers.

Degree Examination taken in: May/June

Aims: The English Language papers in this course enable students to explore a selection of topics from Medieval Language and Literature, the History of English and Scots, and Modern English Language in greater depth, and to relate these topics to each other, and, where relevant, to topics studied in another subject. Papers can be chosen in a wide range of combinations, though in some cases a Senior Honours paper may require previous study of a Junior Honours paper. The aims of the English Literature course are: to increase students' literary knowledge and awareness of a period in a general sense; to understand aspects of the general context within which works of literature in a period are produced; to increase and deepen knowledge and understanding of (selected) authors, texts, and genres; to enable students to achieve an awareness of the history and processes of writing in English; to encourage students to use this awareness to construct and develop individually selected areas of specialised enquiry.

Honours Course Prescription: Students take eight papers (although they may offer a ninth paper or submit an original composition). However, only two of Nineteenth-Century American Literature, Twentieth-Century American Literature, and Literary and Linguistic Computing for English may be chosen. Papers chosen from: Culture and English Language Teaching; Germanic Philology; Grammars of English; History of English I; History of English II; History of Scots; Later Medieval English Literature; Literary and Linguistic Computing for English; Literary Theory; Literature 1510-1660; Literature 1640-1785; Literature 1780-1840; Literature 1830-1914; Literature since 1900; Medieval English Manuscripts in Context; Medieval Latin; Nineteenth-Century American Literature; Early Middle English Literature; Old English Literature; Old French Literature; Old Icelandic; Onomastics: the History and Function of Names; Phonetics and Phonology I: Articulation and Accent; Phonetics and Phonology II: Experimental Phonetics and Phonological Theories; Pragmatics and Spoken Discourse; Semantics of English; Shakespeare; Sociolinguistics; Stylistics of Scottish Literature; Twentieth-Century American Literature; Written Text and Narrative.

Course Co-ordinator: Mr Robert Cummings

3YYF ENGLISH LITERATURE 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday to Friday - 10.00 am for 3H, 12.00 noon for 4H; seminars.

Requirements of entry: At least 9 points in the 20-point scale in each of the two Level 1 courses, and an aggregate of 27 points in the 20-point scale in the Level 2 courses, including a B grade or 15 points in the 20-point scale in at least one Level 2 course.

Assessment: Four courses assessed in 4H year (75%); essay/seminar work (25%); optional extended essay in place of any one course.

Degree Examination taken in: May/June

Aims: The aims of the different historical period papers are to enable students: (1) to increase literary knowledge and awareness of a period in a general sense; (2) to understand aspects of the general context within which works of literature in a period are produced; (3) to increase and deepen knowledge and understanding of (selected) authors, texts and genres; (4) to achieve an awareness of the history and processes of writing in English; (5) to use this awareness to construct and develop individually selected areas of specialised enquiry.

Honours Course Prescription: Students are assessed in four courses, of which two must be from the period before 1900. Courses chosen from: Shakespeare, Literary Theory, Literature 1360-1540, Literature 1510-1660 (Renaissance and early seventeenth-century), Literature 1640-1785 (Restoration and Augustan), Literature 1780-1840 (Romantic), Literature 1830-1914 (Victorian), Literature since 1900 (Modern), American Literature I (nineteenth-century), American Literature II (twentieth-century), Literary and Linguistic Computing for English, Irish Literature 1880s to present-day. Students may also choose in 3H one course from a list of Topic Modules which will be taught and assessed in 4H.

Course Co-ordinator: Mr Robert Cummings

3YYH ENGLISH LITERATURE 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday to Friday - 10.00 am for 3H, 12 noon for 4H; seminars.

Requirements of entry: At least 9 points in the 20-point scale in each of the two Level 1 courses, and an aggregate of 27 points in the 20-point scale in the two Level 2 courses, including a B grade or 15 points in the 20-point scale in at least one Level 2 course; and at least 9 points in the 20-point scale in English Language Level 1.

Assessment: Eight courses assessed in 4H year (75%); essay/seminar work (25%); optional extended essay in place of one course.

Degree Examination taken in: May/June

Aims: The aims of the different historical period Papers are to enable students: (1) to increase students' literary

knowledge and awareness of a period in a general sense; (2) to understand aspects of the general context within which works of literature in a period are produced; (3) to increase and deepen knowledge and understanding of (selected) authors, texts, and genres; (4) to achieve an awareness of the history and processes of writing in English; (5) to use this awareness to construct and develop individually selected areas of specialised enquiry.

Honours Course Prescription: Students are assessed in eight courses (although they may also submit an original composition), of which four must be from the period before 1900. Courses chosen from: Shakespeare, Literary Theory, Literature 1360-1540, Literature 1510-1660 (Renaissance and early seventeenth-century), Literature 1640-1785 (Restoration and Augustan), Literature 1780-1840 (Romantic), Literature 1830-1914 (Victorian), Literature since 1900 (Modern), American Literature I (nineteenth-century), American Literature II (twentieth-century), Literary and Linguistic Computing for English, Irish Literature 1880s to present-day. Students may also choose in 3H up to two courses from a list of Topic Modules which will be taught and assessed in 4H.

Course Co-ordinator: Mr Robert Cummings

3YXJ ENGLISH LANGUAGE AND LITERATURE 4H (SINGLE)

(See: 3YXH ENGLISH LANGUAGE AND LITERATURE 3H (SINGLE))

3YYG ENGLISH LITERATURE 4H (JOINT)

(See: 3YYF ENGLISH LITERATURE 3H (JOINT))

3YYJ ENGLISH LITERATURE 4H (SINGLE)

(See: 3YYH ENGLISH LITERATURE 3H (SINGLE))

French

Please see the entries for the School of Modern Languages & Cultures, page 161.

Geographical & Earth Sciences

4WGU EARTH SCIENCE 1X: INTRODUCTION TO THE EARTH

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Thursday, Friday - 9.00 am or 11.00 am; weekly laboratory; one day field excursion.

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: One two-hour examination at the end of the teaching period (50%). Laboratory assessment, and continuous assessment totalling 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide a basic introduction to the Geology of the Earth and other planets, for students who will normally not possess any prior knowledge of the subject, and in particular to: (1) develop students' ability to synthesize a wide range of data and to apply the synthesis to geological problems; (2) develop students' descriptive, observational and interpretational skills; (3) develop students' problem-solving capabilities in theoretical, practical and field situations.

Course Co-ordinator: Dr Martin Lee

4WHU EARTH SCIENCE 1Y: EVOLUTION OF THE EARTH

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Thursday, Friday - 9.00 am or 11.00 am; weekly laboratory; one day field excursion.

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: One two-hour examination at the end of the teaching period (50%). Laboratory assessment and continuous assessment totalling 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a basic introduction to the earth's history, its life and environments, and the applications of earth science, for students who will normally not possess any prior knowledge of the subject, and in particular to: (1) develop students' ability to synthesize a wide range of data and to apply the synthesis to geological problems; (2) develop students' descriptive, observational and interpretational skills; (3) develop students' problem-solving capabilities in theoretical, practical and field situations.

Course Co-ordinator: Dr Martin Lee

201B GEOGRAPHY 1 (ORDINARY)

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Daily lectures - 11.00 am (not Monday); approximately fortnightly laboratories; approximately fortnightly tutorials.

Requirements of entry: This course may be taken as a unit in its own right, qualifying for the ordinary or General degree, or it may act as a foundation for two, three, or four years of study of Geography leading to an Honours Degree in Geography. The course carries 40 credits. It also acts as a foundation course for the Honours Degree in Geographical Information Mapping Science. There are no pre-requisites for entry to the course, although most of the class normally have A or B passes in Geography at Higher Grade.

Assessment: One 3 hour paper (40%). Continuous assessment (60%) (includes class exam, 2 class essays and assessed lab and tutorial exercises)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To introduce students through the lecture courses, tutorials and essay work to the nature of: (a) human geography: cultural and political geographies of population; social geographies of the country and city; economic geographies; (b) physical geography: aspects of climatology, geomorphology, hydrology and biogeography, as interacting environmental elements; (c) regional geography of North America; (d) an introduction to cartography; (2) to develop cartographic and data interpretation and presentation skills through the laboratory classes. (3) to acquire basic field data collection and interpretation techniques.

Course Co-ordinator: Dr Hayden Lorimer

5YWV EARTH SCIENCE 2P: SOLID EARTH

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Monday, Wednesday, Friday - 9.00 am; laboratories Monday 2.00 pm-4.00 pm or Wednesday 2.00-4.00 pm and Friday 10.00 am or 2.00-4.00 pm; 6 days field work.

Requirements of entry: Level 1 Earth Science 1X

Co-requisites: None

Excluded Courses: None

Assessment: One two hour written examination (50%), laboratory assessments, and report based on the field training excursion totalling 50%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide students with an advanced understanding of geological processes, particularly at the global scale. Particular emphasis is placed on the acquisition and critical analysis of data through direct field investigation of rocks, and how interpretation of large-scale processes is inferred. Emphasis is placed on mineralogical, geochemical and petrographic study to analyse and characterise rocks, and how such understanding provides a sophisticated view of the processes, past and present, at work within the Earth.

Honours Course Prescription: Required for entry to Honours - Grade D or above

Course Co-ordinator: Dr Christopher Burton

4WKV EARTH SCIENCE 2Q: PALAEOBIOLOGY

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Thursday - 9.00 am; laboratories Tuesday 2.00 pm-4.00 pm or Wednesday 11.00 am-1.00 pm.

Requirements of entry: Level 1 Earth Science 1Y or L1 Biology courses.

Co-requisites: None

Excluded Courses: None

Assessment: One hour written examination (60%), and one hour of assessed practical work (40%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide a core understanding of the history and development of life in the light of evolution, palaeoecology, palaeobiodiversity, and taxonomy. To provide a knowledge of the processes of fossilisation.

Honours Course Prescription: Required for entry to Honours - Grade D or above.

Course Co-ordinator: Dr Christopher Burton

4WLV EARTH SCIENCE 2R: SEDIMENTS AND STRATIGRAPHY

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday, Wednesday - 9.00 am; laboratories Monday 2.00 - 4.00 pm or Wednesday 2.00 - 4.00 pm and Friday 10.00 - 12 noon or 2.00 - 4.00 pm (shared with 2U); One day of field work.

Requirements of entry: Level 1 Earth Science 1Y

Co-requisites: None

Excluded Courses: None

Assessment: One hour written examination (70%), laboratory assessment (20%), and a report based on the day excursion (10%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide students with an understanding of the key principles of stratigraphy and sedimentology, and to show the use of these subjects with other geological information to determine Earth history. Particular reference is made to the identification of past major tectonic regimes. The links between sedimentation and tectonics are emphasised by the application of the methods of cyclical stratigraphy.

Honours Course Prescription: Required for entry to Honours - Grade D or above.

Course Co-ordinator: Dr Christopher Burton

9TSV EARTH SCIENCE 2U - STRUCTURE, MAPS AND EXPLORATION

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures, Tuesday, Friday - 9.00-10 am. Laboratories, Monday or Wedneday 2.00-4.00pm, Tuesday 2.00-4.00pm or Wednesday 11.00-1.00pm and Friday 10.00-12.00 or 2.00-4.00pm

Excluded Courses: NONE

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Structures: To: 1. Explain in outline how rock materials respond to loading under different conditions within the Earth's crust. 2. Provide a sound foundation and rigorous terminology for describing the morphology and orientation of structures, and their com-

ponent parts, in 3-D space. 3. Describe and discuss the models and mechanisms which have been proposed for the formation of discontinuities, folds, and fabrics in rocks. 4. Explain how different and apparently unrelated types of structure can develop together as a result of a single, progressive deformation. 5. To understand how geological structures relate to geological maps. Geological maps To: 1. Provide a series of map exercises which present a logical progression from the construction and use of structure contours on simple problem maps, to the analysis of fold and fault geometries on published BGS maps. 2. Improve map reading skills, especially the 3-D visualisation of geological relationships and structures using only the outcrop pattern and the shape of the topographic surface. 3. Emphasise the value of preparing synoptic maps, and drawing fully integrated, true-scale, vertical cross-sections, to illustrate the geology of an area. 4. Demonstrate the need for a rigorous, quantitative, approach to map work, and appreciate its application to geological exploration. Exploration: To: 1.Understand the principles of geological exploration by a practical understanding of the techniques of geological mapping as a field exercise. 2.Gain an understanding of the principles of exploration for mineral resources using the coal and aggregate industries as examples: Coal: 1. Explain the concept of the Global Carbon Cycle and the existence of major carbon pools. 2. Describe the Lithospheric Carbon Pool and the role of carbonaceous rocks within it. 3. Explain the formation of coal deposits. 4. Illustrate the concept of reserves and resources as applied to coal. 5. Explain and contrast deep mining and opencasting of coal reserves. 6. Illustrate opencasting practice by reference to the UK opencasting industry. 7. Explain the environmental impact of coal extraction and use. Aggregates: 1. Explain the annual requirements of the UK construction industry for broken rock/gravel (aggregates). 2. Explain the uses for aggregates. 3. Show how rock is extracted and how geological constraints govern extractability 4. Indicate how rock is broken to size in the quarry, and the engineering and statutory constraints on aggregate quality and composition. 5. Explain how aggregates are tested using physical, mechanical and chemical tests. 6. Illustrate the uses of aggregates in concrete production and road building.

Course Co-ordinator: Dr Christopher Burton

201C GEOGRAPHY 2 (ORDINARY)

Credits: 60 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Daily - 10.00 am; weekly laboratory at 2 pm - 4 pm on either Monday, Tuesday, Wednesday or Thursday; approximately 10 fortnightly tutorials: field class for intending Honours students (c. 7 days) in Easter vacation.

Requirements of entry: Grade D in Geography 1.

Assessment: CA consists of 2 class essays (25% in total); tutorials (10% in total); practical work (12.5% in total), class test 12.5% and a Degree Examination in June (40%) which equals 100%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims: (1) to demonstrate the geographical implications, expressed in economic, political and cultural terms, of shifts in the world economy; to investigate how global changes impact on localities in economic, cultural and political terms; to demonstrate the importance of periodisation within the framework of geopolitical change; to investigate knowledge and power relations and their global and local implications on identities and resistances; to emphasise the role of the theory/evidence nexus in human geography; (2) to examine the operation and effects of major processes in physical geography; to interrelate process and form; to demonstrate change in landform and process over time and (3) to illustrate the environmental approach to analysing contemporary geographical topics, thereby complementing the regional approach taken in Level-1 Geography, and to critically assess global environmental issues, demonstrating linkages between physical and human geography on the ground and the problems they pose for policy makers: (1) Reading and Writing skills - the ability to precis and, through oral and written presentation, develop skills of critical evaluation; (2) Bibliographic skills - students will be expected to read widely and to make full use of library resources. (Training on the proper use of GUL, including computer searches, is included with the Level 2 programme); (3) Presentation skills - as part of the field class, group projects are researched, analysed and presented in front of an audience.

Course Co-ordinator: Dr Paul Routledge

9QFV GEOMATICS 2X: GEOINFORMATICS

Credits: 30 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures daily at 11.00 am; Practical classes Mondays and Thursdays 1.00 - 3.00 p.m. OR 3.00 - 5.00 p.m.

Requirements of entry: At least a grade D in Geography 1, or approval of Head of Department

Assessment: 2 hour Class examination - laboratory period, week 10 (10%); 3 hour degree examination - in examination period following week 12 (50%); Continuous Assessment of coursework - practical reports (30%), essay (10%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce - the concept of Geomatics as an integrated field of study; the mathematical background needed for further study in geomatics; the main users and producers of geospatial data in the UK; practices of map design and reproduction; the concepts, methods and instrumentation of photogrammetry. To enable field scientists to gain a basic knowledge of geographical information display techniques.

Course Co-ordinator: Dr Jane Drummond

9QGV GEOMATICS 2Y: LAND & AERIAL SURVEYING

Credits: 30 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures daily at 11.00 am; Practical classes Mondays and Thursdays 1.00 - 3.00 p.m. OR 3.00 - 5 pm. Field course (survey), 7 days - held in Easter Vacation period.

Requirements of entry: Attain at least a Grade D in Geography Level-1, or approval of the Head of Department.

Co-requisites: At least a grade D in Geomatics 2X is recommended

Assessment: 2 hour Class examination - laboratory period, week 24 (10%); 3 hour Degree examination - in examination period following week 26 (40%); Easter field course (including diary and report) (10%); Continuous Assessment of course work - practical reports (30%), essay (10%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to expand the coverage of Geomatics introduced in Geomatics 2X; (2) to introduce the role and building of geospatial databases and GIS applications (3) to introduce the principles and practices of land surveying; (4) to give practical field experience in carrying out land surveys and reporting on them.

4WGH EARTH SCIENCE 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Teaching will take place at arranged times throughout both semesters. A weekly timetable is provided to students detailing class times and locations. Fieldwork is carried out during the Easter Vacation, Semester 2 and the Summer Vacation.

Requirements of entry: GPA of 11 at end of Level 2; completion of all credit-bearing courses from Level 2 at Grade D or better.

Excluded Courses: None

Assessment: Independent Fieldwork Dissertation or Field-Based Dissertation 33%; Presentation Skills 17%; Continual Assessment (Fixed Excursion Programme, Computing/IT, Paleontology/Stratigraphy Assessment, Igneous/Metamorphic Petrology Assessment, Mapwork Assessment) 50%. (Degree exams in May/June contribute 29.5% of Honours split-diet examination in total.)

Degree Examination taken in: May/June

Aims: To provide a degree course which will impart a full knowledge of Earth Science, giving students and graduates access to all areas of the subject; to provide detailed specialist knowledge of the subject areas relevant to current practice in academic and applied Earth Science; to develop the intellectual skills of learning, application, initiative and critical ability; to develop conceptual, analytical, spatial and field skills within the framework of Earth Sciences; to provide the transferable, technical and professional skills for future careers, including the skills of teamwork, self-reliance and communication; to provide an exposure to current research methods and thought in Earth Science.

Honours Course Prescription: The Earth Science Core Programme must be taken: Year 3 - Stratigraphy; Sediments/Superficial Deposits; Igneous/Metamorphic Petrology; Geochemistry/Isotopes; Structural Geology; Maps; Technical and Transferable Skills. Year 4: Palaeontology/Stratigraphy; Terrane history; Sediments/Superficial Deposits; Geophysics; Maps; Technical and Transferable Skills; Major Earth Processes; Integrated Field Studies. Options, on an alternating year system, will be chosen from: Year A - Basin Processes and Petroleum; Coastal Processes and Forms; Crustal Fluids; Engineering Earth Science; Environmental Biogeochemistry; Fluvial Systems; Fluvial Processes; GIS; Laboratory Project or Dissertation; Long Term Landscape Evolution I and II; Quaternary Environments; Environmental Earth Science. Year B - Conservation; Economic and Environmental Mineralogy; Geotechnology and Geomorphology of Superficial Deposits; GIS; Glacial Geology and Geomorphology; [Palaeobiosystems*]; Palaeoclimatology and Environmental Change; Polar Environments; Theoretical Geomorphology. Fieldwork Programme: Basin Studies; Advanced Geological Fieldwork Skills; Mineral Exploration; Highway Engineering; Active Orogen Studies; Advanced Basin Studies; Environmental Biogeochemistry; Quaternary Earth Science. *Suspended 2004/2005

Course Co-ordinator: Dr Brian Bell

4WGW EARTH SCIENCE 3

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Teaching will take place at arranged times throughout both semesters. A weekly timetable is provided to students detailing class times and locations. Fieldwork is carried out during the Easter Vacation and Semester 2.

Requirements of entry: GPA of 11 at end of Level 2; completion of all credit-bearing courses from Level 2 at Grade D or better.

Assessment: Independent Fieldwork Dissertation or Field-Based Dissertation 33%; Presentation Skills 17%; Continual Assessment (Fixed Excursion Programme, Computing/IT, Paleontology/Stratigraphy Assessment, Igneous/Metamorphic Petrology Assessment, Mapwork Assessment) 50%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a degree course which will impart a full knowledge of Earth Science, giving students and graduates access to all areas of the subject; to provide detailed specialist knowledge of the subject areas relevant to current practice in academic and applied Earth Science; to develop the intellectual skills of learning, application, initiative and critical ability; to develop conceptual, analytical, spatial and field skills within the framework of Earth Sciences; to provide the transferable, technical and professional skills for future careers, including the skills of teamwork, self-reliance and communication; to provide an exposure to current research methods and thought in Earth Science.

Course Co-ordinator: Dr Brian Bell

5A8H GEOGRAPHY (SCI) 3H (SING)

Credits: 130 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday and Thursday - 10.00 am for compulsory courses. Option courses at times to be advised.

Requirements of entry: At least Grade C in Level 2 Geography and attendance at the Level 2 Geography field class and completion of a satisfactory field notebook.

Assessment: First diet of a split diet Honours examination. Three option papers, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). All Honours students must attend a compulsory field class during the Easter Vacation. The Dissertation is commenced during Level-3H and completed during Level-4H.

Degree Examination taken in: May/June

Aims: The Honours Geography programme has the following aims: (1) to provide a sound overall knowledge and awareness of theory and practice in Human and Physical Geography, within the context of space and place; (2) to develop specialist conceptual, analytical, spatial and fieldwork skills, centrally embedded within the context of a geographic education; (3) to develop problem-oriented, enquiring minds, emanating from staff research feeding into the teaching programmes, so that undergraduates are exposed to contemporary issues in Geography; (4) to develop generic (transferable) skills, which are easily adaptable to the needs of the labour market, particularly those of communication (written, oral and graphical) and teamwork; (5) to develop initiative, self-reliance and critical ability.

Honours Course Prescription: Geographic Thought and Geographical Techniques and THREE from Physical and Human option courses listed below. Physical courses: Coastal Processes and Forms; Conservation; Fluvial Processes/Fluvial Systems; Glacial Geomorphology; Quaternary Environments; Long-term Landscape Evolution; Theoretical Geomorphology; Polar Environments. Human courses: Agricultural Geography; Cultural Geography; Historical Geography of Social Policy; Landscapes of Work and Employment; Political Geography; Developing World Cities; Cities, Change and Conflict; Geographies of Colonialism and Post-colonialism; Social Geography of Outsiders; Africa; Celtic Geographies; Geographies of Resistance; Latin America. No Group: Geographic Information Systems. Students are required to take at least one Human and one Physical course within the set of six across the 3H and 4H years.

Course Co-ordinator: Prof Ronan Paddison

4UXW GEOGRAPHY 3B

Credits: 90 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday and Thursday - 10.00 am and at other times to be arranged. Classes are taken in common with 3H. Weekly laboratories at 11-1 on Tue or Wed or Thurs.

Requirements of entry: Grade D in Geography 2

Assessment: 2 options (67%): a 3 hour degree examination for each (22% or 11.5%) with continuous assessment (11.5% or 22%); techniques labs (7%), thought essay (6%) and project (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To afford students the opportunity to gain in-depth knowledge of two parts of the discipline. To develop skills of problem formulation, data acquisition and analysis, and report presentation within a time-constrained framework. To develop skills relating to the analysis and manipulation of geographic data. To develop oral and communication skills. To provide the student with basic skills in the use of computers in geography. To develop critical skills, ensuring that students are able to discuss competently current debates within the discipline. To provide students with a broad understanding of the nature of geography as an academic discipline.

Course Co-ordinator: Prof Ronan Paddison

4UYW GEOGRAPHY 3C

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday and Thursday - 10.00 am and at other times to be arranged. Classes are taken in common with Junior Honours. Weekly laboratories at 11-1 on Tue or Wed or Thurs.

Requirements of entry: Grade D in Geography 2

Assessment: 3 options (75%): for each a 3 hour degree examination (17% or 8%) and continuous assessment (8% or 17%); project (17%); techniques labs (4%); thought essay (4%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To afford students the opportunity to gain in-depth knowledge of three parts of the discipline; to develop skills of problem formulation, data acquisition and analysis, and report presentation within a time-constrained framework; to develop skills relating to the analysis and manipulation of geographic data; to develop oral and communication skills; to provide the student with basic skills in the use of computers in geography; to develop critical skills, ensuring that students are able to discuss competently current debates within the discipline; to provide students with a broad understanding of the nature of geography as an academic discipline.

Course Co-ordinator: Prof Ronan Paddison

5A8F GEOGRAPHY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday and Thursday - 10.00 am for compulsory courses. Option courses at times to be advised.

Requirements of entry: At least Grade C in Level-2 Geography and attendence at the Level-2 Geography field class and completion of a satisfactory field notebook. Acceptance into Honours by the other joint subject.

Assessment: First diet of a split diet Joint Honours Examination. Three option papers over a two year period, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). The decision on the percentage weighting of assessment for an individual course option will be made by the course option tutor. However, students will be made aware of the means of assessment for all course options before the start of the academic year. All Joint Honours students must attend a compulsory field class during the Easter Vacation. Joint Honours students take EITHER an 8000 word dissertation which is commenced during Level 3H and completed during Level 4H OR a General Paper in Level 4H with 3 hour degree examination (50%) and continuous assessment (50%).

Degree Examination taken in: May/June

Aims: The Honours Geography programme has the following aims: (1) to provide a sound overall knowledge and awareness of theory and practice in Human and Physical Geography, within the context of space and place; (2) to develop specialist conceptual, analytical, spatial and fieldwork skills, centrally embedded within the context of a geographic education; (3) to develop problem-oriented, enquiring minds, emanating from staff research feeding into the teaching programmes, so that undergraduates are exposed to contemporary issues in Geography; (4) to develop generic (transferable) skills, which are easily adaptable to the needs of the labour market, particularly those of communication (written, oral and graphical) and teamwork; (5) to develop initiative, self-reliance and critical ability from a solid foundation of knowledge and understanding and critical awareness.

Honours Course Prescription: Geographic Thought and Geographical Techniques and ONE course chosen from Physical and Human option courses listed in Geography 3H (Single)

Course Co-ordinator: Prof Ronan Paddison

9APW GEOGRAPHIC INFORMATION AND MAPPING SCIENCES 3B

Credits: 130 *Level:* 3

When Taught: Full Session (September - June)

Timetable: A timetable will be published at the start of each semester. There is a 6 day field course during the Easter vacation

Requirements of entry: C grade average in Geomatics 2X (30 credits) and Geomatics 2Y (30 credits) including a C grade in the field course. Normally either a grade D in Geography 2 (60 credits) or a grade D average in Level 2 Earth Science (60 credits total). Restrictions may be placed on the Geography and Earth Science options available to students (This course is essentially the same as GIMS 3H, but is intended for those not meeting the Geography or Earth Science requirements).

Assessment: Details of assessment will depend on optional courses taken. Overall assessment scheme: Geographical Techniques for Geomatics (25 credits) - 12.5%; Geomatics core courses (2 x 15 credits) - 25%; Geomatics option courses (3 x 15 credits) - 37.5%; Geography or Earth Science option(s) (30 or 2 x 15 credits) - 25%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To further develop a broad based education in Geomatics as an integrated field of study and endeavour building on the Level 2 introductory courses; To provide further knowledge of Human Geography, Physical Geography or Earth Science, further enhancing the understanding of the world in which Geomatics knowledge and skills are applied; To enable students to implement, operate and manage systems providing geospatial information for decision makers, engineers, planners, etc.; To raise awareness of the professional environment of the Geomatics industry; To prepare students for a career in Geomatics. In addition to subject specific skills, considerable emphasis is placed on the development of generic (transferable) skills, such as initiative, critical thinking, problem solving, time management and teamwork; information and communication technology skills; and the ability to communicate effectively in writing, orally and graphically. Individual course descriptions include more detailed aims.

Course Co-ordinator: Dr Jane Drummond

9AQW GEOGRAPHIC INFORMATION AND MAPPING SCIENCES 3C

Credits: 100 *Level:* 3

When Taught: Full Session (September - June)

Timetable: A timetable will be published at the start of each semester

Requirements of entry: Average of D grade in Geomatics 2X (30 credits) and Geomatics 2Y (30 credits) including a C grade in the field course; Normally, either a D grade in Geography 2 (60 credits) or D average in Earth Science 2 (60 credits total) Restrictions may be placed on the Geography and Earth Science options available to students.

Assessment: Details of assessment will depend on optional courses taken. Overall assessment scheme: Geographical Techniques for Geomatics (25 credits) - 20%; Geomatics core courses (2 x 15 credits) - 32%; Geomatics option course (15 credits) - 16%; Geomatics, Geography or Earth Science option(s) (30 or 2 x 15 credits) - 32%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To further develop a broad based education in Geomatics as an integrated field of study and endeavour building on the Level 2 introductory courses; To provide further knowledge of Human Geography, Physical Geography or Earth Science, further enhancing the understanding of the world in which Geomatics knowledge and skills are applied; To enable students to implement, operate and manage systems providing geospatial information for decision makers, engineers, planners, etc.; To raise awareness of the professional environment of the

Geomatics industry; To prepare students for a career in Geomatics. In addition to subject specific skills, considerable emphasis is placed on the development of generic (transferable) skills, such as initiative, critical thinking, problem solving, time management and teamwork; information and communication technology skills; and the ability to communicate effectively in writing, orally and graphically. Individual course descriptions include more detailed aims.

Course Co-ordinator: Dr Jane Drummond

9ARW GEOGRAPHIC INFORMATION AND MAPPING SCIENCES 3D

Credits: 80 *Level:* 3

When Taught: Full Session (September - June)

Timetable: A timetable will be published at the start of each semester. There is an optional field course during the Easter vacation.

Requirements of entry: Average of D grade in Geomatics 2X (30 credits) and Geomatics 2Y (30 credits) including a D grade in the field course.

Assessment: Details of assessment will depend on optional courses taken. Overall assessment scheme: Geographical Techniques for Geomatics (25 credits) - 24% (note: the field course component of Geographic Techniques is optional for students on GIMS 3D); Geomatics core courses (2 x 15 credits) - 38%; Geomatics option courses (2 x 15 credits) - 38%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To further develop a broad based education in Geomatics as an integrated field of study and endeavour building on the Level 2 introductory courses; To enable students to implement, operate and manage systems providing geospatial information for decision makers, engineers, planners, etc.; To raise awareness of the professional environment of the Geomatics industry; To prepare students for a career in Geomatics. In addition to subject specific skills, considerable emphasis is placed on the development of generic (transferable) skills, such as initiative, critical thinking, problem solving, time management and teamwork; information and communication technology skills; and the ability to communicate effectively in writing, orally and graphically. Individual course descriptions include more detailed aims.

Course Co-ordinator: Dr David Forrest

9AKK GEOGRAPHIC INFORMATION AND MAPPING SCIENCES 3H

Credits: 130 *Level:* 3

When Taught: Full Session (September - June)

Timetable: A timetable will be published at the start of each semester. There is a 6 day field course during the Easter vacation.

Requirements of entry: C grade in Geomatics 2X (30 credits); C grade in Geomatics 2Y (30 credits) including a C grade in the field course; Either: C grade in Geography 2; or C average in Earth Science 2 (60 credits total)

Assessment: Details of assessment will depend on optional courses taken. Overall assessment scheme: Geographical Techniques for Geomatics (25 credits) - 12.5%; Geomatics core courses (2 x 15 credits) - 25%; Geomatics option courses (3 x 15 credits) - 37.5%; Geography or Earth Science option(s) (30 or 2 x 15 credits) - 25%

Degree Examination taken in: May/June

Aims: To further develop a broad based education in Geomatics as an integrated field of study and endeavour building on the Level 2 introductory courses; To provide further knowledge of Human Geography, Physical Geography or Earth Science, further enhancing the understanding of the world in which Geomatics knowledge and skills are applied; To enable students to implement, operate and manage systems providing geospatial information for decision makers, engineers, planners, etc.; To raise awareness of the professional environment of the Geomatics industry; To prepare students for further study and research in Geomatics. In addition to subject specific skills, considerable emphasis is placed on the development of generic (transferable) skills, such as initiative, critical thinking, problem solving, time management and teamwork; information and communication technology skills; and the ability to communicate effectively in writing, orally and graphically. Individual course descriptions include more detailed aims.

Honours Course Prescription: Geographical Techniques for Geomatics (25 credits); Geomatics core courses (2 x 15 credits); Geomatics option courses (3 x 15 credits); Geography or Earth Science option(s) (30 or 2 x 15 credits)

Course Co-ordinator: Dr Jane Drummond

4WGJ EARTH SCIENCE 4H (SINGLE)

(See: 4WGH EARTH SCIENCE 3H (SINGLE))

5A8J GEOGRAPHY 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D in Geography 3H (Single)

Assessment: Second diet of a split diet Honours examination. Three option papers, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). The decision on the percentage weighting of assessment for an individual course option will be made by the course option tutor. However, students will be made aware of the means of assessment for all course options before the start of the academic year. One General paper with 3 hour degree examination (50%) and continuous assessment (50%). One 8000 word dissertation.

Degree Examination taken in: May/June

Aims: The primary aim of the course is to provide students with an appreciation of a variety of geographical issues and their associated methods of analysis. Aims for the Honours options may be found in the details of each specific course option. Aims of the dissertation can

be found in the 3H Single Course information. The 4H Geography Lecture Course serves to: (1) develop critical reading and argument formulation skills; (2) provide a forum in which to situate specialisms within a wider understanding of the discipline; (3) enhance awareness of research approaches and their implications; (4) provide guidance on the presentation of dissertations; and (5) provide career orientation.

Honours Course Prescription: 4H Geography Lecture Course must be taken and three from Physical and Human courses listed in Geography 4H (Single) excluding those courses already taken in 3H. Students are required to take at lease one Human and one Physical course within the set of six across the 3H and 4H years.

Course Co-ordinator: Dr Paul Routledge

5A8G GEOGRAPHY 4H (JOINT)

Credits: 70 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Options at times to be arranged.

Requirements of entry: Grade D in Geography 3H (Joint)

Assessment: Second diet of a split diet Joint Honours. Three option papers over a two year period, each with either (a) a 3 hour degree examination (67%) and continuous assessment (33%); or (b) a 1.5 hour degree examination (33%) and continuous assessment (67%). The decision on the percentage weighting of assessment for an individual course option will be made by the course option tutor. However, students will be made aware of the means of assessment for all course options before the start of the academic year. Joint Honours students take EITHER an 8000 word dissertation which is commenced during Level 3H and completed during Level 4H OR a General Paper with 3 hour degree examination (50%) and continuous assessment (50%).

Degree Examination taken in: May/June

Aims: The primary aim of the course is to provide students with an appreciation of a variety of geographical issues and their associated methods of analysis. Aims for the Honours options may be found in the details of each specific course option. Aims of the dissertation can be found in the 3H Single Course information. The 4H Geography Lecture Course has five aims: (1) to develop critical reading and argument formulation skills; (2) to provide a forum in which to situate specialisms within a wider understanding of the discipline; (3) to enhance awareness of research approaches and their implications; (4) to provide guidance on the presentation of dissertations; and (5) to provide career orientation.

Honours Course Prescription: 4H Geography Lecture course must be taken and two from Physical and Human courses listed in Geography 4H (Single) excluding those courses already taken in 3H. If the student does not sit the General Essay examination, then an 8000 word dissertation (commenced in 3H) must be completed.

Course Co-ordinator: Prof Ronan Paddison

9ATJ GEOGRAPHIC INFORMATION AND MAPPING SCIENCES 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: A timetable will be published at the start of each semester. There is a 2 week residential field course prior the the start of the 4H year.

Requirements of entry: C grade average in GIMS 3H with no more than 30 credits below grade D

Assessment: Details of assessment will depend on optional courses taken. Overall assessment scheme: Issues in Geomatics (15 credits) - 12.5%; Group Project (15 credits) - 12.5%; Individual Project (15 credits) - 12.5%; Geomatics option courses (2 x 15 credits) - 25%; Geography or Earth Science option(s) (30 or 2 x 15 credits) - 25%; Elective option (15 credits) - 12.5% Note: The Honours classification is weighted 40% on 3H, 60% on 4H

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To further develop a broad based education in Geomatics as an integrated field of study and endeavour building on the Level 2 & 3 courses; To provide further knowledge of Human Geography, Physical Geography or Earth Science, further enhancing the understanding of the world in which Geomatics knowledge and skills are applied; To enable students to implement, operate and manage systems providing geospatial information for decision makers, engineers, planners, etc.; To raise awareness of the professional environment of the Geomatics industry; To prepare students for further study, training and research in Geomatics in terms of academic qualifications, professional accreditation and continuous professional development (life long learning). In addition to subject specific skills, considerable emphasis is placed on the development of generic (transferable) skills, such as initiative, critical thinking, problem solving, time management and teamwork; information and communication technology skills; and the ability to communicate effectively in writing, orally and graphically. Individual course descriptions include more detailed aims.

Honours Course Prescription: Issues in Geomatics (15 credits); Group Project (15 credits); Individual Project (15 credits); Geomatics option courses (2 x 15 credits); Geography or Earth Science option(s) (30 or 2 x 15 credits); Elective option (15 credits).

Course Co-ordinator: Dr Roland Billen

German

Please see the entries for the School of Modern Languages & Cultures, page 164.

Hispanic Studies

Please see the entries for the School of Modern Languages & Cultures, page 167.

History

4NCU HISTORY 1A: MAKING OF EUROPE: THREE ORDERS 800- 1500

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Class hour 10.00 am every weekday

Requirements of entry: All students admitted to the University will be eligible to enrol in this course.

Assessment: Examination 60% (held at end of course), essay 30%, seminar contribution 10%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide you with a broad introduction to the main features of European history from AD 800 to 1500, taking into account that you may not have covered most (or any) of this period before; to offer you a fresh and stimulating approach to the major forces instrumental in the shaping of politics, society and culture in Europe; to make you aware of the current approaches on European History, and of the areas of particular controversy and debate; to encourage you to think broadly, comparatively and conceptually across a wide area and a long period of time; to provide a secure foundation of knowledge and skills which will enable you to proceed with confidence to Level 2.

Course Co-ordinator: Dr Stephen Marritt

4NDU HISTORY 1B: MAKING OF EUROPE: NATION, COMMUNITY & CONFLICT 1500- 2000

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Class hour 10.00 am every weekday.

Requirements of entry: All students admitted to the University will be eligible to enrol in this course.

Assessment: Examination 60% (held at end of course), essay 30%, seminar contribution 10%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide you with a broad introduction to the main features of European history from 1500 to the present, taking into account that you may not have covered most (or any) of this period before; to offer you a fresh and stimulating approach to the major forces instrumental in the shaping of politics, society and culture in Europe; to make you particularly aware of recent innovative approaches to the study of specific themes within European history; to encourage you to think broadly, comparatively and conceptually across a wide area and a long period of time; to provide a secure foundation of knowledge and skills which will enable you to proceed with confidence to Level 2.

Course Co-ordinator: Prof Lynn Abrams

6BDU HISTORY 1C: THE INDEPENDENT KINGDOM OF SCOTLAND 1100 -1707

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Class hour 12 noon every weekday

Requirements of entry: All students admitted to the University will be eligible to enrol in this course.

Assessment: Examination 60% (held at end of course), essay 30%, seminar contribution 10%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide you with a knowledge of Scottish History from 1100 to the Union of 1707 and of the forces which helped shape Scotland's development, taking into account the fact that many of you may not have covered this period before; within this narrative, to give due weight to political, social, economic, religious and cultural developments; to make you aware of the current approaches being taken by historians towards the history of Scotland, and of the areas of particular controversy and debate; to enhance your critical and analytical skills - expressed in essays, examination, and discussion in seminars - through your study of the work of Scottish historians; to provide a secure foundation of knowledge and skills which will enable you to proceed with confidence to Level 2.

Course Co-ordinator: Dr Dauvit Brown

9TMV HISTORY 2 SCO: SCOTLAND THE STATELESS NATION

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Class hour 11.00 a.m. every weekday.

Requirements of entry: Grade D or better in any ONE level 1 course in History or Economic and Social History.

Assessment: Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. To give you an understanding of key themes in modern Scottish history based upon primary and secondary sources. 2. To place particular emphasis upon the issue of Scotland's complex and changing identities in the era of the 'stateless nation'. 3. To introduce you to a range of primary sources with illuminating key themes. 4. To improve your presentational and analytical skills through assessed seminar reports and discussion. 5. To provide a secure foundation of skills in the handling of different types of primary and secondary sources, enabling you to proceed with confidence to Honours.

Course Co-ordinator: Dr Martin MacGregor

7ELV HISTORY 2AM: SOCIETY, CULTURE & POLITICS IN NORTH AMERICA

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Class hour 4.00 pm every weekday

Requirements of entry: Grade D or better in any ONE level 1 course in History or Economic and Social History

Assessment: Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To familiarise you with fundamentally significant eras and themes in the history of the portion of North America that became the United States, covering the period between first contact between Native Americans and Europeans in 1492 and the present; to improve your critical and evaluative skills in the handling of a variety of primary and secondary sources, enabling you to proceed with confidence to Honours; to enhance your independence of judgment in dealing with conflicting interpretations of major issues; to improve your presentational and analytical skills through seminar reports and discussion.

Course Co-ordinator: Dr Sam Maddra

7EMV HISTORY 2EM:GOVERNMENT, CULTURE &SOCIETY IN EUROPE 1550-1715

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Class hour 2.00 pm every weekday

Requirements of entry: Grade D or better in any ONE level 1 course in History or Economic and Social History

Assessment: Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide you with a sound understanding of key aspects of European history in the period 1550-1715, especially the growth of the state, common attitudes and habits of mind at the time, and relationships between groups in society; to improve your critical and evaluative skills in the handling of a variety of primary and secondary sources, enabling you to proceed with confidence to Honours; to enhance your independence of judgment in dealing with conflicting interpretations of major issues; to improve your presentational and analytical skills through seminar reports and discussion.

Course Co-ordinator: Dr Lionel Glassey

5YTV HISTORY 2MED: ENGLAND AND ITS NEIGHBOURS C.870-C.1450

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Class hour 2.00 pm Monday, Tuesday, Wednesday, Thursday and Friday

Requirements of entry: Grade D or better in any ONE level 1 course in History or Economic and Social History.

Assessment: Examination 60% (held at end of course), essay 20%, assessed seminar paper 10%, overall seminar contribution 10%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To give you an understanding of the political culture of England and its neighbours over the period from the Vikings to the Hundred Years War, including the political relationships within aristocratic elites, between king and nobility, and the contextualisation of military force in medieval politics; to improve your critical and evaluative skills in the handling of a variety of primary and secondary sources, enabling you to proceed with confidence to Honours; to enhance your independence of judgment in dealing with conflicting interpretations of major issues; to improve your presentational and analytical skills through seminar reports and discussion.

Course Co-ordinator: Dr Matthew Strickland

2XKW HISTORY 3 AM

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Please contact Department

Requirements of entry: Normally Faculty of Arts progression rules to Level 3, and completion of one of the following Level 2 courses at Band D or better; History 2Em, History 2Med, History 2Sco, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken 2AM (7ELV).

Assessment: No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

Aims: This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

Course Co-ordinator: Dr Sam Maddra

2YTW HISTORY 3 EM

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Please contact Department

Requirements of entry: Normally Faculty of Arts progression rules to Level 3, and completion of one of the following level 2 courses at Band D or better: History 2Am, History 2Med, History 2Sco, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken History 2Em (7EMV)

Assessment: No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

Aims: This course is based on the corresponding level 2 course not previously experienced and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

Course Co-ordinator: Dr Lionel Glassey

2XJW HISTORY 3 MED

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Please contact Department

Requirements of entry: Normally Faculty of Arts progression rules to Level 3, and completion of one of the following level 2 courses at Band D or better: History 2Am, History 2Em, History 2Sco, Economic and SociaL History 2A, and Economic and Social History 2B. Students cannot have taken History 2MED (7ENV).

Assessment: No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

Aims: This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

Course Co-ordinator: Dr Matthew Strickland

JCPW HISTORY 3 MED

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Please contact Department

Requirements of entry: Normally Faculty of Arts progression rules to Level 3, and completion of one of the following level 2 courses at Band D or better: History 2Am, History 2Em, History 2Sco, Economic and SociaL History 2A, and Economic and Social History 2B. Students cannot have taken History 2MED (7ENV).

Assessment: No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

Aims: This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

Course Co-ordinator: Dr Matthew Strickland

2WPW HISTORY 3 SCO

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Please contact Department

Requirements of entry: Normally Faculty of Arts progression rules to Level 3, and completion of one of the following Level 2 courses at Band D or better: History 2Am, History 2Em, History 2Med, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken History 2Sco (9TMV).

Assessment: No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

Aims: This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation

of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

Course Co-ordinator: Dr Martin MacGregor

JCQW HISTORY 3 SCO

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Please contact Department

Requirements of entry: Normally Faculty of Arts progression rules to Level 3, and completion of one of the following Level 2 courses at Band D or better: History 2Am, History 2Em, History 2Med, Economic and Social History 2A, and Economic and Social History 2B. Students cannot have taken History 2Sco (9TMV).

Assessment: No examination: assessment by course work only: 1 short essay (1500 words) rated at 25% of the total course mark; 1 short verbal presentation (15 mins) on a relevant historical theme (10%); an 800-word review of a book, review of CAL unit or other comparable material (10%); design 1 draft examination paper (5-8 questions) on a historical period or theme of his/her choice (5%); complete 1 dissertation (3000 words) rated at 50% to be submitted by the end of the course.

Aims: This course is based on the corresponding level 2 course and it seeks to give each student an understanding of the underlying structures of the period studied, the nature and quality of different types of primary and secondary source material, and ways of assessing the value of visual and other types of evidence. It also seeks to enhance student skills relating to verbal presentation of historical arguments, reviewing existing historical literature, and (esp. through the dissertation) designing an independent research strategy.

Course Co-ordinator: Dr Martin MacGregor

139F HISTORY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: A minimum of four courses in History and/or Economic & Social History, one of which must be at Level 2. Students must be awarded at least a Band D in each qualifying course, and must acquire a minimum of 1080 grade points over the four qualifying courses, ie achieve an overall average of Band C or better and must achieve at least a B in one Level 2 qualifying course.

Assessment: All courses will be assessed at the end of the year in which they are taken: a two hour examination, in which two questions must be answered (70%); essay written during the course (20%); and seminar work (10%), divided as follows: 6% for the seminar paper submitted and 4% for overall seminar contribution. The exceptions to this rule are courses offered in Historical Computing which are described in the honours handbook; courses offered by the Department of Economic and Social History, where the degree examination counts for 70% of the assessment, the essay for 20% and one other piece of work, as detailed by the course handout for each course, counts for the final 10%; and courses taught in conjunction with the Departments of Archaeology, Celtic and Law, details of which are set out in the Honours Handbook. The Special Subject will be assessed as follows: two 2 hour examinations will account for 60% of the total result; the remaining 40% will come from in-course assessment as follows: 10% for each of two semesterly essays; 6% for each of two semesterly presentations and 4% for seminar contribution in each semester.

Degree Examination taken in: May/June

Aims: The main educational aims of the MA (Hons) in History are: to develop a critical understanding of human activity in past societies for its own sake and to foster an understanding of the relationship between the present and the past, particularly of the complexity of the relationship between social, political and intellectual concerns of the present and research into the past; to facilitate student work in these areas by exposing students to current questions of historical research and method; to offer a range of opportunities and contexts for students to develop essential skills of analysis, research, presentation and communication as well as IT skills and qualities of initiative through the assessed study of history across a wide range of periods and types of history. The outcomes common to all the Department's Honours courses are as follows: the development of the intellectual interests and analytical skills acquired by students during their first two years; awareness of previously unfamiliar methodological approaches, chronological periods and geographical areas by offering a wide and flexible choice of options; to offer the opportunity to develop skills in historical computing, as well as basic IT awareness; familiarity with complex historical debates and interpretations, skill in interpreting primary sources where appropriate, and to inform these discussions with new ideas derived from lecturers' current research; the development of transferable skills by fostering individual initiative, personal choice, group discussion and, where appropriate, problem-solving team work.

Honours Course Prescription: Four courses, or three courses if a dissertation is also chosen, in year 3. Four courses, or a Special Subject, or a dissertation plus two courses, in year 4 (see History 3H/4H Single).

Course Co-ordinator: Dr Simon Ball

139H HISTORY 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: At least five courses in History and/or Economic & Social History, of which at least two must be History 1A and 1B and of which at least two must be at level 2. Students must be awarded at least Band D in each qualifying course, and must acquire a minimum of 1440 grade points over the five qualifying courses, ie achieve an overall average of Band C or better. Students must also achieve at least one B in a Level 2 qualifying course.

Assessment: All courses will be assessed at the end of the year in which they are taken: a two-hour examination, in which two questions must be answered (70%); essay written during the course of the course (20%); and seminar work (10%), divided as follows: 6% for the seminar paper and 4% for overall seminar contribution. The exceptions to this rule are courses offered in Historical Computing are described in the Honours Handbook; courses offered by the Department of Economic and Social History, where the degree examination counts for 70% of the assessment, the essay for 20% and one other piece of work, as detailed by the course handout for each course, counts for the final 10%; and courses taught in conjunction with the Deparments of Archaeology, Celtic and Law, details of which are set out in the Honours Handbook. The Special Subject will be assessed as follows: two 2 hour examinations will account for 60% of the total result; the remaining 40% will come from in-course assessment as follows: 10% for each of two semesterly essays; 6% for each of the two semesterly presentations and 4% for seminar contribution in each semester.

Degree Examination taken in: May/June

Aims: The main educational aims of the MA (Hons) in History are: to develop a critical understanding of human activity in past societies for its own sake and to foster an understanding of the relationship between the present and the past, particularly of the complexity of the relationship between social, political and intellectual concerns of the present and research into the past; to facilitate student work in these areas by exposing students to current questions of historical research and method; to offer a range of opportunities and contexts for students to develop essential skills of analysis, research, presentation and communication as well as IT skills and qualities of initiative through the assessed study of history across a wide range of periods and types of history. The outcomes common to all the Department's Honours courses are as follows: the development of the intellectual interests and analytical skills acquired by students during their first two years; awareness of previously unfamiliar methodological approaches, chronological periods and geographical areas by offering a wide and flexible choice of options; to offer the opportunity to develop skills in historical computing, as well as basic IT awareness; familiarity with complex historical debates and interpretations, skills in interpreting primary sources where appropriate, and to inform these discussions with new ideas derived from lecturer's current research; the development of transferable skills by fostering individual initiative, personal choice, group discussion and, where appropriate, problem-solving team work.

Honours Course Prescription: Seven courses from the list given in the current Honours Handbook and on the Departmental web site.

139G HISTORY 4H (JOINT)

(See: 139F HISTORY 3H (JOINT))

139J HISTORY 4H (SINGLE)

(See: 139H HISTORY 3H (SINGLE))

History of Art

103B HISTORY OF ART 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures from 3.00 pm-4.00 pm on Mondays, Tuesdays & Thursdays; Seminars: one a week at times to be arranged

Requirements of entry: Acceptance to Glasgow University

Assessment: Two degree examination papers (50%); continuous assessment (50%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) to provide a one year initiation course for those who wish to study the History of Art within the context of an interdisciplinary degree; (2) to provide students in the Level 1 Class who may have no prior knowledge of the subject, with a good general knowledge of the Western tradition of art represented by two important periods; the Renaissance and the Nineteenth Century/Early Twentieth Century, which may then be extended and developed at more advanced levels; (3) to foster transferable skills, for example, time-management; problem-solving; observation and visual analysis; independent learning; presentation and communication (oral and written); (4) to provide a basic foundation in selected areas of History of Art, which will enhance students' appreciation of the material heritage of European culture.

Course Co-ordinator: Dr John Richards

0XTU HISTORY OF ART 1 (HALF COURSE)

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures from 3.00 pm-4.00 pm on Mondays, Tuesdays & Thursdays; Seminars: one a week at times to be arranged

Requirements of entry: Acceptance to Glasgow University

Assessment: Degree examination (50%); continuous assessment (50%)

Aims: (1) to provide an initiation course for those who wish to study the History of Art within the context of an interdisciplinary degree; (2) to provide students in the Level 1 Class who may have no prior knowledge of the subject, with a good general knowledge of the Western tradition of art represented by the Nineteenth Century/Early Twentieth Century, which may then be extended and developed at more advanced levels; (3) to foster transferable skills, for example, time-management; problem-solving; observation and visual analysis; independent learning; presentation and communication (oral and written); (4) to provide a basic foundation in selected areas of History of Art, which will enhance students' appreciation of the material heritage of European culture.

Course Co-ordinator: Dr John Richards

103U HISTORY OF ART 1 (HALF COURSE)

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures from 3.00 pm-4.00 pm on Mondays, Tuesdays & Thursdays; Seminars: one a week at times to be arranged

Assessment: Two degree examination papers (50%); continuous assessment (50%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) to provide an initiation course for those who wish to study the History of Art within the context of an interdisciplinary degree; (2) to provide students in the Level 1 Class who may have no prior knowledge of the subject, with a good general knowledge of the Western tradition of art represented by the Renaissance, which may then be extended and developed at more advanced levels; (3) to foster transferable skills, for example, time-management; problem-solving; observation and visual analysis; independent learning; presentation and communication (oral and written); (4) to provide a basic foundation in selected areas of History of Art, which will enhance students' appreciation of the material heritage of European culture.

Course Co-ordinator: Dr John Richards

7FKV HISTORY OF ART 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Lectures 1.00 pm-2.00 pm Mondays, Tuesdays, Wednesdays, Thursdays. Irregular Seminars at times to be arranged

Requirements of entry: Entry to Level 2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level 1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level 2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level 2 is appropriately spread. Of the two following DACE courses, only one may count in this respect: Cathedral Building in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

Excluded Courses: History of Art 2 (half course)

Assessment: 50% of the marks are given for the degree examination and 50% for course work

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1 course [or equivalent] by introducing them to a number of themes and areas not previously encountered; [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification & problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kind of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

Course Co-ordinator: Dr Deborah Lewer

8CBV HISTORY OF ART 2 (HALF COURSE)

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures 1.00 pm - 2.00 pm Mondays, Tuesdays, Wednesdays, Thursdays (Semester 1 OR Semester 2) or 7.00-9.00pm on Tuesdays & Thursdays (Semester 1 only). Irregular seminars at times to be arranged.

Requirements of entry: Entry To Level-2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level-1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level-2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level-2 is appropriately spread. Of the two following DACE courses, only one may count in this respect: Cathedral Building in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

Excluded Courses: History of Art 2

Assessment: 50% of the marks are given for the degree examination and 50% for course work

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1 course [or equivalent] by introducing them to a number of themes and areas not previously encountered; [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification & problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kind of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

Course Co-ordinator: Dr Deborah Lewer

9UVV HISTORY OF ART 2 (HALF COURSE)

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures 1.00 pm - 2.00 pm Mondays, Tuesdays, Wednesdays, Thursdays (Semester 1 OR Semester 2) or 7.00-9.00pm on Tuesdays & Thursdays (Semester 1 only). Irregular seminars at times to be arranged.

Requirements of entry: Entry To LEVEL-2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level-1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level-2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level-2 is appropriately spread. Of the two following DACE courses, only one may count in this respect; Cathedral Building in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

Excluded Courses: History of Art 2

Assessment: 50% of the marks are given for the degree examination and 50% for course work

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1 course [or equivalent] by introducing them to a number of themes and areas not previously encountered; [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification & problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kin of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

Course Co-ordinator: Dr Deborah Lewer

8CCV HISTORY OF ART 2: DL - SCOTTISH GOTHIC CHURCHES & ABBEYS

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: N/A as the course is Web Based, but the course is planned in week-long units within which the work should be structured, with scheduled visual tests and final exam

Requirements of entry: Entry To Level 2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level-1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level-2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level-2 is appropriately spread. Of the two following DACE courses, only one may count in this respect: Cathedral Building in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

Excluded Courses: History of Art 2

Assessment: 50% of the marks are given for the degree examination and 50% for course work

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The Distance Learning Option, the equivalent of three traditionally taught components of Level-2, is web-based, allowing students to avoid set lectures and seminar times. It will examine aspects of Scottish Medieval Architecture. The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1 course [or equivalent] by introducing them to a number of themes and areas not previously encountered; [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification & problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kind of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

Course Co-ordinator: Mr Robert Gibbs

8CAV HISTORY OF ART 2:DL-REPRESENTING ABSTRACT EXPRESSIONISM

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: N/A as the course is Web Based

Requirements of entry: Entry to Level-2 is secured by achievement of at least a D grade [minimum 50%] at either the first or second sitting of the Degree Examinations in Level-1 History of Art OR 40 credits worth of DACE courses in History of Art at grade D at least may give access to History of Art Level-2 if the Department of History of Art judges that the combination of courses offered in a particular case for access to Level-2 is appropriately spread. Of the two following DACE courses, only one may count in this respect: Cathedral Building in Medieval France and Britain; Gothic Architecture of the 12th & 13th Centuries.

Co-requisites: Either History of Art 2 (half course) or Part 1 of History of Art 2.

Excluded Courses: The whole of History of Art 2

Assessment: 50% of the marks are given for the degree examination and 50% for course work

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The Distance Learning Option, the equivalent of three traditionally taught components of Level-2, is web-based, allowing students to avoid set lectures and seminar times. It will examine aspects of twentieth-century art and criticism, concentrating on American art of the 1950s.The course has the following aims: [1] to provide a Level-2 course for those who wish to study the history of art within the context of an interdisciplinary degree; [2] to enable students to extend and develop the basic knowledge of the discipline gained in the Level-1 course [or equivalent] by introducing them to a number of themes and areas not previously encountered: [3] to encourage a critical awareness of the discipline by introducing students to some of the issues of methodology, historiography and context which are particularly associated with these areas of study; [4] to provide students with the opportunity of developing further such transferable skills as time-management, problem-identification and problem-solving, visual skills, independent learning, written presentation and, where appropriate, computer and web-based skills; [5] to prepare students intending to take the Honours Degree by introducing them to the kind of closely focused analysis which they may be expected to encounter in their 3rd and 4th years of study.

Course Co-ordinator: Dr Deborah Lewer

103F HISTORY OF ART 3H (JOINT)

This programme will be replaced subject to Senate approval.

103H HISTORY OF ART 3H (SINGLE)

This programme will be replaced subject to Senate approval.

103G HISTORY OF ART 4H (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Joint Honours 3 x 32 hours seminars and lectures + 5 hours tutorial for dissertation

Requirements of entry: C1 in History of Art Level-2

Excluded Courses: At least one option must be from a period before 1800, and one from the period after 1800.

Assessment: Each taught option will be assessed with 1x3 hour Degree Examination worth 80% and 2 x2,000 word essays worth 20% and dissertation, single weighted.

Degree Examination taken in: May/June

Aims: The Honours programme has the following aims: (1) to provide an intellectual training and to foster independence of thought by imparting a more thorough knowledge of certain aspects of the history of art, to which students will already have been introduced at Level-1 and Level-2; (2) to carry out the above within the context of a dynamic, research-aware curriculum; (3) to make students aware that problems have a necessary historical dimension; (4) to develop, through this training, to a more advanced level than in previous years of study, skills that may be an advantage in a wide range of employments: e.g. in curriculum-planning and time management; independent learning and the solving of complex problems; visual analysis and interpretation; presentation of rational argument, whether in oral, written or even electronic form.

Honours Course Prescription: Three taught options (over two years) plus dissertation from: Graphic Design and Visual Culture in Europe 1890-1945: Mackintosh and Glasgow; Impressionism 1850 - 1926; New Directions in European Painting 1880 - 1920; Greek Art and Roman Art; Romantic Painting in Britain 1780 - 1830; Whistler and British Art of the Victorian Period; Aspects of Italian Art 1200 - 1400; Bourges to Burges: The Gothic Style of Architecture; Problems in the Theory and Methodology of Art History; Patterns of Collecting and Changing Taste in Chinese Art; Chinese Art & Design under the Song Dynasty 970-1279; From Gothic to Renaissance in Northern Europe: Humanism and the Rinascità: Developments in Art and Art History in Italy, 1360-1430; Dada and Surrealism; Modernism : Postmodernism : Photography; Art and Politics in Weimar and Nazi Germany; The Domestic Landscape, 1860-1970; Architecture and Modernity 1850-1950; Making and Viewing Sculpture c.1789-1862; Introduction to Multi-Media Analysis and Presentation (taught in association with HATII); Dutch Painting in the Golden Age: making, meaning and market (subject to Faculty approval); Other Europes: design, architecture and art in Central Europe 1860-1960 (subject to Faculty approval). Students must present a dissertation weighted as a single paper in addition to three of the above taught options. N.B. Options are taught in alternate years so not all options are available every year. Check with Department as to which courses are available for the forthcoming year.

Course Co-ordinator: Mr Robert Gibbs

103J HISTORY OF ART 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Depends on which options are taken, but students should be available to take classes from 9.00 am-5.00 pm every day in semester time

Requirements of entry: C1 in History of Art Level-2

Excluded Courses: At least one option must be from a period before 1800, and one from the period after 1800. The 'Core Course' on The Historiography and Methodology of Art History' must be taken as part of the 3H programme (subject to Faculty approval).

Assessment: Each taught option will be assessed with 1x3 hour Degree Examination worth 80% and 2 x2,000 word essays worth 20% and dissertation, double weighted

Degree Examination taken in: May/June

Aims: The Honours programme has the following aims: (1) to provide an intellectual training and to foster independence of thought by imparting a more thorough

knowledge of certain aspects of the history of art, to which students will already have been introduced at Level-1 and Level-2; (2) to carry out the above within the context of a dynamic, research-aware curriculum; (3) to make students aware that problems have a necessary historical dimension; (4) to develop, through this training, to a more advanced level than in previous years of study, skills that may be an advantage in a wide range of employments: e.g. in curriculum-planning and time management; independent learning and the solving of complex problems; visual analysis and interpretation; presentation of rational argument, whether in oral, written or even electronic form.

Honours Course Prescription: The 'Core Course' at Junior (3H) level (see above), and four Taught Options (over two years) plus dissertation from: Graphic Design and Visual Culture in Europe 1890-1945: Mackintosh and Glasgow; Impressionism 1850 - 1926; New Directions in European Painting 1880 - 1920; Greek Art and Roman Art; Romantic Painting in Britain 1780 - 1830; Whistler and British Art of the Victorian Period; Aspects of Italian Art 1200 - 1400; Bourges to Burges: The Gothic Style of Architecture; Problems in the Theory and Methodology of Art History; Patterns of Collecting and Changing Taste in Chinese Art; Chinese Art & Design under the Song Dynasty 970-1279; From Gothic to Renaissance in Northern Europe: Humanism and the Rinascità; Developments in Art and Art History in Italy, 1360-1430; Dada and Surrealism; Modernism : Postmodernism : Photography; Art and Politics in Weimar and Nazi Germany; The Domestic Landscape, 1860-1970; Architecture and Modernity 1850-1950; Making and Viewing Sculpture c. 1789-1862; Introduction to Multi-Media Analysis and Presentation (taught in association with HATII); Dutch Painting in the Golden Age: making, meaning and market (subject to Faculty approval); Other Europes: design, architecture and art in Central Europe 1860-1960 (subject to Faculty approval). Students may count up to 25% of their credits in a subject taken from the programme at Honours level of another department, subject to History of Art Department approval. Students must present the dissertation as the equivalent in weighting of two taught options, and in addition to the 'Core Course' and the four taught options selected from this list. N.B. Options are taught alternate years so not all options are available every year. Check with Department as to which courses are available for the forthcoming year.

Course Co-ordinator: Mr Robert Gibbs

Humanities Advanced Technology & Information Institute

4BRU HUMANITIES COMPUTING 1A

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Two 1-hour lectures (2.00 - 3.00 pm, Monday and Thursday) and two 1-hour workshops per week (2.00 - 3.00 pm, Tuesday and Friday).

Requirements of entry: University of Glasgow Certificate of Basic IT Competency or equivalent

Assessment: Assessed coursework consists of two practical or essay-based projects (30% each) and one two-hour exam (30%); a further 10% of the mark is assigned for participation and contribution in practical sessions and classes.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to a wide range of computing concepts and humanities applications; to examine how computers have been applied in a variety of humanities disciplines and the impact of their use on the development of the disciplines themselves; to examine the social and educational impact of the information technology revolution and to provide students with transferable computing skills in a wide range of application areas.

Course Co-ordinator: Ms Ann Gow

4BTU HUMANITIES COMPUTING 1B

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Two 1-hour lectures (2.00 - 3.00 pm, Monday and Thursday) and two 1-hour workshops per week (2.00 - 3.00 pm, Tuesday and Friday).

Requirements of entry: Humanities Computing 1A or equivalent as a co-requisite

Assessment: Assessed coursework consists of two practical or essay-based projects (30% each) and one two-hour exam (30%); a further 10% of the mark is assigned for participation and contribution in practical sessions and classes.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to a wide range of computing concepts and humanities applications; to examine how computers have been applied in a variety of humanities disciplines and the impact of their use on the development of the disciplines themselves; to examine the social and educational impact of the information technology revolution and to provide students with transferable computing skills in a wide range of application areas.

Course Co-ordinator: Ms Ann Gow

7EHV HUMANITIES COMPUTING 2A

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Two 1-hour lectures (11.00-12.00, Tuesday and Thursday) and two 1-hour workshops per week (11.00-12.00, Wednesday and Friday)

Requirements of entry: A grade D in (University of Glasgow) Humanities Computing 1B or equivalent

Excluded Courses: Credit can not be received both for this course and for any similar level course in the Department of Computing Science.

Assessment: Assessed coursework consists of two practical or essay-based projects (30% each) and one two-hour exam (30%); a further 10% of the mark is assigned for

participation and contribution in practical sessions and classes.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To examine a range of humanities computing issues and applications in greater depth than that covered by the Level One course; introduce new issues and applications of humanities computing (such as (i) multimedia databases, (ii) image analysis and content-based image retrieval, (iii) Geographical Information Systems (GIS), (iv) spatial analysis, (v) human-computer interaction and evaluation studies, (vi) introduction to JavaScript programming, and (vii) statistics for humanists); give students an understanding of widely accepted standards and best practice in humanities computing and information management; encourage students to evaluate critically the benefits and shortcomings of using computers in their particular humanities disciplines; provide students with transferable computing and project management skills in a wide range of application areas.

Course Co-ordinator: Mr Stephen Woodruff

7EGV HUMANITIES COMPUTING 2B

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Two 1-hour lectures (11.00-12.00, Tuesday and Thursday) and two 1-hour workshops per week (11.00-12.00, Wednesday and Friday)

Requirements of entry: University of Glasgow Humanities Computing 2a or equivalent

Excluded Courses: Credit can not be received both for this course and for any similar level course in the Department of Computing Science.

Assessment: Assessed coursework consists of two practical or essay-based projects (30% each) and one two-hour exam (30%); a further 10% of the mark is assigned for participation and contribution in practical sessions and classes.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To examine a range of humanities computing issues and applications in greater depth than covered in the Level One course; introduce new issues and applications of humanities computing (such as (i) 3D imaging and digital sounds for video, (ii) natural language processing, including speech synthesis, recognition and analysis, grammatical parsing, and automatic translation, (iii) artificial intelligence, expert systems, and neural networks, (iv) virtual reality, (v) digital libraries and electronic journals, (vi) programming interfaces to applications, and (vii) actor-agent systems); develop an understanding of widely accepted standards and best practice in humanities computing and information management; encourage students to evaluate critically the benefits and shortcomings of using computers in their particular humanities disciplines; provide students with transferable computing and project management skills in a wide range of application areas.

Course Co-ordinator: Mr Stephen Woodruff

9RZF ARTS AND MEDIA INFORMATICS 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: There is no specific class hour. Please consult individual course information for days and times.

Requirements of entry: Honours entry: Successful completion of four Humanities Computing courses, 1A, 1B, 2A and 2B or equivalent and normally an average C grade, calculated on the numerical scale over the two level 2 courses. The average will normally be calculated on the first sitting of an examination or the first submission of an essay.

Assessment: A student's progress in each course is assessed by a combination of either a multimedia essay (100%) or a practical project (60%) and a final examination (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The main educational aims of the Arts and Media Informatics (Hons) programme are to develop a critical understanding of how information technology is applied in the academic and heritage sector: within disciplines in universities, and within libraries, archives, and museums; to offer a range of opportunites and contexts for students to develop the essential skills of analysis, research presentation and communication, as well as IT skills and learning how to exercise their initiative in attempting to understand how new technology is used to enhance our analysis, reception and judgement of texts. The courses will be taught through a combination of lectures and seminars, practicals and visits. The overall emphasis will be on: (a) the development of an appreciation of the issues involved in the application Information Communication Technology (ICT) to the academic and heritage sector; and (b) the acquisition of the knowledge to apply the ICT skills within this setting.

Honours Course Prescription: Core courses: Arts Informatics (Semester One); Multimedia and Design (Semester One) Optional courses: Data Modelling and Representation (Semester One); Document Encoding (Semester Two); 2-D Digitisation: Theory and Practice (Semester Two); Investigating Cyberspace: Communities and Cultures on the Net (Semester Two); Analysing Electronic Texts (Semester Two); External courses - Jointly taught with HATII: Computer-based Graphical Analysis in Archaeology; Computer-based Archaeological Management; Studying History with Computers

Course Co-ordinator: Dr Ian Anderson

2RAW CONSCIOUSNESS AND COGNITION

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: The course will run three days a week, two lectures and a seminar. Proposed class hour: 4pm

Requirements of entry: The entry requirements are one D pass in a level 2 course taken from the core. Relevant level 2 courses have to be from the following group: Phi-

losophy, Politics, Theology and Religious Studies, Psychology, Education, (Jurisprudence is only Level 1).

Co-requisites: None.

Excluded Courses: This course is intended for Level 3 students who are completing the three year degree, and in particular it is aimed at those students who need it as part of their qualifying requirement for the MA (Philosophical Studies).

Assessment: The course is continuously assessed and consists of an essay (25%), devising a web page (25%), seminar contribution (20%), and an examination (20%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To develop understanding of the rich domain of enquiry surrounding consciousness studies. To learn to engage critically with an exciting and current interdiscipinary area. To be open to different influences as means to understanding a subject more fully. To discover that no single perspective can offer a definitive explanation for complex phenomena, but that together they can be instructive in moving our knowledge of a subject matter forward.

Course Co-ordinator: Dr Susan Stuart

9RZG ARTS AND MEDIA INFORMATICS 4H)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: There is no specific class hour. Please consult individual course information for days and times.

Requirements of entry: D/Third pass in two 3H Arts and Media Informatics courses

Assessment: A student's progress in each course is assessed by a combination of either a multimedia essay (100%) or a practical project (60%) and a final examination (40%).

Degree Examination taken in: May/June

Aims: The main educational aims of the Arts and Media Informatics (Hons) programme are to develop a critical understanding of how information technology is applied in the academic and heritage sector: within disciplines in universities, and within libraries, archives, and museums; to offer a range of opportunites and contexts for students to develop the essential skills of analysis, research presentation and communication, as well as IT skills and learning how to exercise their initiative in attempting to understand how new technology is used to enhance our analysis, reception and judgement of texts. The courses will be taught through a combination of lectures and seminars, practicals and visits. The overall emphasis will be on: (a) the development of an appreciation of the issues involved in the application Information Communication Technology (ICT) to the academic and heritage sector; and (b) the acquisition of the knowledge to apply the ICT skills within this setting.

Honours Course Prescription: Core courses: Arts Informatics (Semester One); Multimedia and Design (Semester One) Optional courses: Data Modelling and Representation (Semester One); Document Encoding (Semester Two); 2-D Digitisation: Theory and Practice (Semester Two); Investigating Cyberspace: Communities and Cultures on the Net (Semester Two); Analysing Electronic Texts (Semester Two); External courses - Jointly taught with HATII: Computer-based Graphical Analysis in Archaeology; Computer-based Archaeological Management; Studying History with Computers

Course Co-ordinator: Dr Ian Anderson

Immunology, Infection & Inflammation

550H IMMUNOLOGY 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Term 1: 1 hour lectures daily, Weeks 1-2; thereafter, 3-hour blocks of lecture teaching on Monday, Thursday and Friday mornings Weeks 3-10; practicals on Monday afternoon Weeks 1-6; practical classes all day Tuesdays and Wednesdays + Thursday mornings Weeks 7-10. 2-hour tutorials Thursday afternoons Weeks 1-10. Term 2: Daily 1- 1.5 hr lectures plus practicals on Tuesday morning, and Wednesdays + Thursdays all day. 2-hour tutorials Tuesday mornings.

Requirements of entry: Normally, at least six level 2 biology courses at grade C including 13a Immunology (at grade A or B).

Assessment: Degree examination papers (60%), coursework assessment (40%), oral examination.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide: knowledge, understanding and skills necessary for an immunological career. Transferable skills useful in other fields and in everyday life. Cultural enrichment that will add to quality of life.

Course Co-ordinator: Dr James Gracie

550J IMMUNOLOGY 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Semester 1 specialist topic sessions (2.00pm-5.00 pm) twice weekly with student presentations of published papers. October-February: Supervised research project (3 days/week). Dissertation (Semester 2). Reading party (Semester 1).

Requirements of entry: Immunology 3H at Grade D or better

Assessment: Degree examination credits as follows: project (20%); written papers (44%) (3 papers); dissertation (8%); problem solving (8%), carry over from Level 3 (20%).

Degree Examination taken in: May/June

Aims: To provide insight into the latest developments in immunology, and to provide training in scientific thought and research.

Honours Course Prescription: Immunoglobulins; MHC; antigen processing and presentation; receptor signalling; transgenic and K.O. gene technology; effector functions

of lymphocytes; tolerance; cytokines; mucosal immunology; autoimmunity; transplantation; phagocytes; immunity to bacteria; viral and parasitic diseases; immunodeficiency. Some of these are run by visiting specialists from other universities. Laboratory projects and dissertations.

Course Co-ordinator: Prof Allan Mowat

Italian

Please see the entries for the School of Modern Languages & Cultures, page 171.

Mathematics

2HXU MATHEMATICS 1R

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Four days weekly -10.00 am or 11.00 am or 4.00 pm; weekly tutorial; laboratories as arranged.

Requirements of entry: Pass in SCE Higher Mathematics or equivalent

Excluded Courses: Mathematics 1X

Assessment: One examination (80%) (2 hours 30 minutes); course work (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: Mathematics 1R is intended to provide a useful and worthwhile half-year's Mathematics course leading on from the level of SCE Higher Mathematics. It aims in particular, (1) to consolidate fundamental skills (eg in algebra and trigonometry); (2) to extend students' knowledge in calculus and algebra, introducing them to new topics like matrices and complex numbers; (3) to increase students' competence and confidence in handling mathematical ideas and notations that they may meet in further Mathematics courses and in other subjects.

Course Co-ordinator: Dr Thomas Whitelaw

2HYU MATHEMATICS 1S

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Four days weekly -11.00 am or 4.00 pm; weekly tutorial; laboratories as arranged.

Requirements of entry: Pass in SCE Higher Mathematics or equivalent

Co-requisites: Mathematics 1R or 1X

Excluded Courses: Mathematics 1Y and 1T

Assessment: One examination (80%) (2 hours 30 minutes); course work (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Mathematics 1S is intended to build on Mathematics 1R and to provide a further half-year's Mathematics course which will be useful and worthwhile both for students who intend to specialize in Mathematics and for others. It aims, in particular: a) to introduce the ideas and techniques used to study the behaviour of real functions. [These include the fundamental notions of function and limit, and the derived notions of continuity, differentiability, and integrability]. b) to extend students' knowledge and skills in algebra, geometry, and calculus; c) to explore logical matters relevant to Mathematics and to educate students in the notion of proof in Mathematics and in widely used techniques of proof.

Course Co-ordinator: Dr Thomas Whitelaw

2JAU MATHEMATICS 1T

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Four days weekly - 10.00 am or 11.00 am; weekly tutorial; laboratories as arranged.

Requirements of entry: Pass in SCE Higher Mathematics or equivalent.

Co-requisites: Mathematics 1R or 1X

Excluded Courses: Mathematics 1Y and 1S

Assessment: One examination (80%) (2 hours 30 minutes); course work (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Mathematics 1T is intended to provide a useful and worthwhile half-year's Mathematics course leading on from the level reached in Mathematics 1R. It aims, in particular (1) to increase students' competence and confidence in handling mathematical ideas and notations that they may meet in further Mathematics courses and in other subjects; (2) to develop students' ability to apply Mathematics to practical problems, and more generally to improve their problem-solving capabilities; (3) to extend students' knowledge in calculus and algebra, introducing them to new topics like vectors and the study of differential equations.

Course Co-ordinator: Dr David Moore

2JBU MATHEMATICS 1X

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Four days weekly - 11.00 am; weekly tutorial; laboratories as arranged

Requirements of entry: Grade A in SCE Higher Mathematics and Grade B or better in Advanced Higher Mathematics or equivalently good non-Scottish qualifications eg grade B at A-level

Excluded Courses: Mathematics 1R

Assessment: One examination (80%) (2 hours 30 minutes); course work (20%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To present an interesting level-1 course for well-qualified students which will enhance their mathematical knowledge, insights, skills and enjoyment as well as enhancing the transferable skills of reasoning, handling of abstract concepts, problem solving, communication, and clarity of presentation.

Course Co-ordinator: Dr Neil Dickson

2JCU MATHEMATICS 1Y

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Four days weekly - 11.00 am; weekly tutorial; laboratories as arranged.

Requirements of entry: See Mathematics 1X

Co-requisites: Mathematics 1X

Excluded Courses: Mathematics 1S, Mathematics 1T

Assessment: One examination (80%) (2 hours 30 minutes); course work (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To present an interesting level-1 course for well-qualified students which will enhance their mathematical knowledge, insights, skills and enjoyment as well as enhancing the transferable skills of reasoning, handling of abstract concepts, problem solving, communication, and clarity of presentation.

Course Co-ordinator: Dr Wilson Stothers

4AGV MATHEMATICS 2F: FINANCIAL MODELLING

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Weekly lectures Monday, Wednesday 1.00 pm. Fortnightly tutorials and laboratories: Mondays at 3.00 pm (tutorials 1hr, labs 2hrs).

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D

Assessment: One degree examination (80%) (1 hour 30 mins), project (20%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The course shows how mathematical methods can be used in economics and finance. The main topics covered are: the determination of prices and production quantities by manufacturers; the mathematical properties of loans and investments, particularly at fixed rates of interest. Course Content 1. Solutions of equations - False position algorithm. 2. Models in economics - Cost, revenue and profit. Supply and demand. Consumption. Depreciation. Production and pricing. Fitting models to data. Using Excel to extrapolate data and derive graphs. 3. Interest - Simple and compound interest. Constant rates of interest. Variable rates of interest. Present value and discount factors. Annuities. Capital and interest. Use Excel to find interest rates and amortization tables. 4. Valuation of securities - Types of security. Fixed interest securities. Price and yield. Makeham's formula.

Course Co-ordinator: Dr David Webber

4AHV MATHEMATICS 2G: MECHANICAL MODELLING

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Tuesdays, Thursdays 1.00 pm. Fortnightly tutorial: Monday 3.00 pm.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D.

Assessment: One degree examination (80%) (1 hour 30 minutes), coursework (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course provides an introduction to the mathematical modelling of mechanical phenomena involving the motion of a single particle such as a golf ball under the influence of gravity, the orbit of a satellite around the Earth, or the oscillation of a particle on an elastic string.

Course Co-ordinator: Dr David Webber

4AJV MATHEMATICS 2J: BIOLOGICAL MODELLING

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Mondays, Wednesdays 1.00 pm. Fortnightly tutorial: Monday 3.00 pm.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D

Assessment: One degree examination (80%) (1 hour 30 minutes), coursework (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course shows how mathematical methods can be used in models capable of describing situations occurring in a biological context.

Course Co-ordinator: Dr David Webber

4ALV MATHEMATICS 2L: LINEAR MODELLING

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Weekly lectures Tuesday, Thursday 1.00 pm. Fortnightly tutorial - Monday 3.00 pm.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D.

Assessment: One degree examination (80%) (1 hour 30 minutes); coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course aims to show how large systems of linear equations arise naturally in a variety of modelling applications and how the properties of these equations can be used to extract useful information about the application through a solution of the equations or perhaps through the eigenvalues of the underlying matrix, or some other unspecified procedure.

Course Co-ordinator: Dr David Webber

4ANV MATHEMATICS 2N: NUMBER THEORY AND CRYPTOGRAPHY

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Thursday 10.00 am each week. Tutorial fortnightly: Friday 10.00 am.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D

Assessment: One degree examination (80%) (1 hour 30 mins); coursework (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide an introduction to elementary Number Theory and describe its application to selected topics in Cryptography.

Course Co-ordinator: Dr David Webber

4APV MATHEMATICS 2P: GRAPHS AND NETWORKS

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Thursday 10.00 am weekly. Tutorial fortnightly - Friday 10.00 am.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D

Assessment: One degree examination (80%) (1 hour 30 mins); coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course is intended as an introduction to the basic ideas in graph theory and to some of the simpler algorithms of network theory.

Course Co-ordinator: Dr David Webber

0KHV MATHEMATICS 2Q: GROUPS AND SYMMETRY

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Thursday 12 noon weekly. Tutorial fortnightly - Wednesday 12 noon.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D

Assessment: One degree examination (80%) (1 hour 30 mins); course work (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To present some basic 2 and 3 dimensional geometry, including ideas and applications of symmetry and symmetry groups.

Course Co-ordinator: Dr David Webber

4ATV MATHEMATICS 2R: ALGEBRA 1

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Wednesday and Friday 10 a.m or 11 a.m., with tutorials on alternate Mondays.

Requirements of entry: Grade C in Mathematics 1R or 1X and grade C in Mathematics 1S or 1Y.

Excluded Courses: Mathematics 2W

Assessment: One degree examination (80%) (1 hour 30 mins); coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To provide an introduction to the mainstream of Linear Algebra and, in particular, to introduce the study of abstract vector spaces.

Course Co-ordinator: Dr David Webber

4AWV MATHEMATICS 2S: ALGEBRA 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Wednesday and Friday at 10am or 11am, with tutorials on alternate Mondays.

Requirements of entry: Grade C in Mathematics 1R or 1X, grade C in Mathematics 1S or 1Y.

Co-requisites: Mathematics 2R

Excluded Courses: Mathematics 2Z

Assessment: One degree examination (80%) (1 hour 30 mins); course work (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To build on the work covered in the 2R (Algebra 1) course and explore further topics on Algebra - linear mappings, in particular.

Course Co-ordinator: Dr David Webber

4AXV MATHEMATICS 2U: ANALYSIS 1

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Thursday at 10am or 11am, with tutorials on alternate Mondays

Requirements of entry: Grade C in Mathematics 1R or 1X and Grade C in Mathematics 1S or 1Y.

Assessment: One degree examination (80%) (1 hour 30 mins); coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The common thread running through this course and its sequel in the second semester (2V Analysis 2) is the idea of limit. The aim over the two courses is to give precise definitions of limit in various settings - sets, sequences and functions - and to use these to study summation, continuity, differentiation and integration. The emphasis throughout is on rigorous argument from basic definitions.

Course Co-ordinator: Dr David Webber

4AYV MATHEMATICS 2V: ANALYSIS 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesday and Thursday at 10am or 11am, with tutorials on alternate Mondays.

Requirements of entry: Grade C in Mathematics 1R or 1X and Grade C in Mathematics 1S or 1Y.

Co-requisites: Mathematics 2U

Excluded Courses: None

Assessment: One degree examination (80%) (1 hour 30 mins); course work (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The common thread running through this course and its co-requisite in the first semester (2U Analysis 1) is the idea of limit. The aim over the two courses is to give precise definitions of limit in various setting - sets, sequences, functions - and to use these to study summation, continuity, differentiation and integration. The emphasis throughout is on rigorous argument from basic definitions.

Course Co-ordinator: Dr David Webber

4BAV MATHEMATICS 2W: LINEAR ALGEBRA 1

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Monday, Wednesday - 10.00 am. Fortnightly tutorials - Friday 10.00 am.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D

Excluded Courses: Mathematics 2R

Assessment: One degree examination (80%) (1 hour 30 mins); coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course covers the basic techniques of Linear Algebra that are applicable in the physical and chemical sciences, statistics and other parts of mathematics. The aim of the first part of this course is to show how elementary row operations can be used to solve systems of linear equations and find inverses of (invertible) matrices. Many problems in Linear Algebra can be simplified by 'diagonalising' a matrix in a suitable way. The aim of the second part is to study a particularly important method of this type, which makes use of the eigenvalues and eigenvectors of a matrix.

Course Co-ordinator: Dr David Webber

4BBV MATHEMATICS 2X: CALCULUS 1

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Monday and Wednesday at 9 am, or, Tuesday and Thursday at 11 am, or, Monday and Wednesday at 12 noon. Fortnightly tutorial as arranged.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at grade D.

Assessment: One degree examination (80%) (1 hour 30 mins); coursework (20%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course covers mathematical methods useful in the Physical and Chemical Sciences and in Statistics. The emphasis is on being able to apply these methods to solve problems rather than on the underlying theory.

Course Co-ordinator: Dr David Webber

4BCV MATHEMATICS 2Y: CALCULUS 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday and Wednesday at 9 am, or, Tuesday and Thursday at 11 am, or, Monday and Wednesday at 12 noon. Fortnightly tutorial as arranged.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at Grade D

Co-requisites: Mathematics 2X

Excluded Courses: None

Assessment: One degree examination (80%) (1 hour 30 mins); course work (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course covers mathematical methods useful in the physical and chemical sciences and in statistics. After the course students should have a wider repertoire of mathematical skills and more understanding of how to use them. The emphasis is on being able to apply these methods to solve problems rather than the underlying theory. The course continues on from 2X - Calculus 1.

Course Co-ordinator: Dr David Webber

4BDV MATHEMATICS 2Z: LINEAR ALGEBRA 2

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday, Wednesday - 10.00 am. Fortnightly tutorial Friday - 10.00 am.

Requirements of entry: Mathematics 1R or 1X and 1S or 1T or 1Y at Grade D

Co-requisites: Mathematics 2W or 2R

Excluded Courses: Mathematics 2S

Assessment: One degree examination (80%) (1 hour 30 minutes); course work (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course covers certain topics in linear algebra. The first is quadratic forms, which can be applied to multivariate calculus. The second is an application of diagonalisation to systems of simultaneous linear equations. The third is vector spaces; these are algebraic systems which occur frequently in mathematics, physics and chemistry. The fourth is linear mappings; these are functions between vector spaces which can be represented by matrices.

Course Co-ordinator: Dr David Webber

4WPF APPLIED MATHEMATICS 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D or better in Mathematics 2X and 2Y (Calculus 1 and 2), 2W or 2R (Linear Algebra 1 or Algebra 1), and 2Z or 2S (Linear Algebra 2 or Algebra 2), plus two other Level-2 Mathematics courses (or appropriate Level-2 Physics courses), with an overall average of grade C or better. The pre-requisites for entrance to Applied Mathematics 3H (Combined) will change with effect from academic session 2006-7, full details will be given in the Department's Honours Guidebook which will be published in May 2006.

Assessment: Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

Degree Examination taken in: May/June

Aims: The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to Level 4; when coupled with further study at level 4, to provide training for those who wish to make a career either in Mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs and theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problems solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

Honours Course Prescription: Four courses as follows: Term 1: Differential Equations 1 AND: those awarded a grade D or better in both Mathematics 2U and 2V, choose one of Designs and Codes and Introductory Topology; all others take Introductory Analysis. Term 2: Complex Analysis 1, Differential Equations 2. Transferable Skills work (Latex, Maple and one seminar).

Course Co-ordinator: Dr Colin McGregor

4WPH APPLIED MATHEMATICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D or better in Mathematics 2X and 2Y (Calculus 1 and 2), 2W or 2R (Linear Algebra 1 or Algebra 1), and 2Z or 2S (Linear Algebra 2 or Algebra 2), plus two other Level 2 Mathematics courses (or appropriate Level 2 Physics courses), with an overall average of grade C or better.

Assessment: Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

Degree Examination taken in: May/June

Aims: The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to Level 4; when coupled with further study at level 4, to provide training for those who wish to make a career either in Mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs and theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problems solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

Honours Course Prescription: Eight courses as follows : Term 1: Newtonian Mechanics, Differential Equations 1, Numerical Analysis AND: those awarded grade D or better in both Mathematics 2U and 2V, choose ONE of Designs and Codes and Introductory Topology; all others take Introductory Analysis. Term 2: Differential Equations 2, Complex Analysis 1 AND choose TWO from: Discrete Mathematics, Dynamical Systems, Mathematical Biology or Mathematical Ecology (given in alternate sessions), Hamiltonian Mechanics or Financial Mathematics (given in alternate sessions), Calculus of Variations, Probability.

Course Co-ordinator: Dr Colin McGregor

0PGF APPLIED MATHEMATICS 3M (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade C or better in Mathematics 2R and 2S (Algebra 1 and 2), 2U and 2V (Analysis 1 and 2), and 2X and 2Y (Calculus 1 and 2), with an overall average of grade B or better.

Assessment: Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

Aims: The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to Level 4; when coupled with further study at level 4, to provide training for those who wish to make a career either in Mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs and theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problems solving; (2) Communication Skills:

the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

Honours Course Prescription: Four courses as follows: Newtonian Mechanics, Differential Equations 1, Differential Equations 2. Choose ONE of: Mathematical Biology or Mathematical Ecology (offered in alternate years), Financial Mathematics or Hamiltonian Mechanics (offered in alternate years), Calculus of Variations, Discrete Mathematics, Classical Geometry. Transferable Skills work: Maple, Latex, 2 seminars.

Course Co-ordinator: Dr Colin McGregor

0PHH APPLIED MATHEMATICS 3M (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade C or better in Mathematics 2R and 2S (Algebra 1 and 2), 2U and 2V (Analysis 1 and 2), and 2X and 2Y (Calculus 1 and 2), with an overall average of grade B or better.

Assessment: Each 25-lecture course is examined in a 2-hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

Aims: The aims of Level 3 are: to provide an introduction to a number of major areas of mathematics rigorously and in-depth; to instil the mathematical knowledge and problem solving skills, particular to those pertaining to other scientific disciplines, needed to proceed to level-4; when coupled with further study at levels-4 and 5, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument; (4) Perception: analytical, critical and modelling skills, able to adapt theory according to circumstances.

Honours Course Prescription: Numerical Analysis, Newtonian Mechanics, Differential Equations 1, Introductory Topology, Complex Analysis 1, Differential Equations 2. Plus 2 courses from : Calculus of Variations, Discrete Mathematics, Dynamical Systems, Mathematical Biology or Mathematical Ecology (given in alternate years), Hamiltonian Mechanics or Financial Mathematics, Classical Geometry. Transferable Skills work: Latex, Maple and two seminars.

Course Co-ordinator: Dr Colin McGregor

4WTH MATHEMATICAL SCIENCES 3H

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses taken

Requirements of entry: Computing Science 40 credits, to include 2X (Data Structures and Algorithms), 2Y (Software Design and Implementation). Mathematics 2X and 2Y (Calculus 1 and 2), 2W or 2R (Linear Algebra 1 or Algebra 1), 2Z or 2S (Linear Algebra 2 or Algebra 2). Statistics 2 R (Probability), 2S (Statistical Methods), 2X (Probability and Likelihood), 2Y (Regression Modelling). A level-2 performance at Grade C or better in each subject is required. In Mathematics, the requirement is Grade D or better in each course with an overall average of Grade C or better.

Assessment: There are degree examinations at the end of year three and the end of year four. Assessments for project work will be added to these. Year three work will be weighted as 40% and year four work as 60% of the final assessment.

Degree Examination taken in: May/June

Aims: To present a broadly based degree programme which will provide a good grounding in Mathematical Sciences with emphasis on algorithmic aspects of these subjects; to develop logical thinking and abstract methods of thought to enhance problem solving skills; to develop the computational skills required to implement solutions of problems in the Mathematical Science area; to give equal weighting to the three subject areas and to integrate the knowledge and skills gained in jointly supervised project work.

Honours Course Prescription: The degree programme will consist of lectures and project work with approximately equal input from each of the three departments. The load will correspond to 120 credits in each year. The individual courses in Computing Science are worth 10 credits, except the (level 3) course Professional Software Development 3 which is worth 20 credits, and runs over both terms. Statistics courses are worth 10 credits, Mathematics courses are worth 15 credits. Semester 1: Computing Science - Professional Software Development 3 (continues into semester 2) & Advanced Programming 3 & Algorithmics 3; Mathematics - Introductory Analysis (and short Latex course); Statistics - Inference 3 & Statistical Computing 3. Semester 2: Computing Science - Professional Software Development 3; Mathematics - Discrete Mathematics (and one seminar); Statistics - Multivariate Statistics 3 & Applied Modelling 3 & Probability 3).

Course Co-ordinator: Dr Colin McGregor

406F MATHEMATICS 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses taken

Requirements of entry: Grade D or better in Mathematics 2R and 2S (Algebra1 and 2), 2U and 2V (Analysis 1 and 2), and 2X and 2Y (Calculus 1 and 2), with an overall average of grade C or better.

Assessment: Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

Degree Examination taken in: May/June

Aims: The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to level-4; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

Honours Course Prescription: Four courses as follows: Complex Analysis 1; Introductory Algebra; Introductory Topology; ONE of Discrete Mathematics and Groups, Rings and Fields. Combined Honours with Chemistry take: Introductory Algebra; Differential Equations 1; Complex Analysis 1 and Differential Equations 2. Additionally, all take Transferable skills work (Latex and seminar).

Course Co-ordinator: Dr Colin McGregor

406H MATHEMATICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D or better in Mathematics 2R and 2S (Algebra 1 and 2), 2U and 2V (Analysis 1 and 2), and 2X and 2Y (Calculus 1 and 2), with an overall average of Grade C or better.

Assessment: Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

Degree Examination taken in: May/June

Aims: The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to level-4; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

Honours Course Prescription: Term 1 : Introductory Algebra, Newtonian Mechanics, Introductory Topology, Differential Equations 1 Term 2 : Discrete Mathematics, Complex Analysis 1 AND Choose 2 of : Classical Geometry, Differential Equations 2, Groups, Rings and Fields, Dynamical Systems, Mathematical Biology or Mathematical Ecology (given in alternate sessions), Hamiltonian Mechanics or Financial Mathematics (given in alternate sessions), Calculus of Variations, Probability. Transferable Skills work (Latex and two seminars).

Course Co-ordinator: Dr Colin McGregor

0PBF MATHEMATICS 3M (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Dependent on course options taken.

Requirements of entry: Grade C or better in Mathematics 2R and 2S (Algebra 1 and 2), 2U and 2V (Analysis 1 and 2), and 2X and 2Y (Calculus 1 and 2), with an overall average of Grade B or better.

Assessment: Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the available marks for Level 3.

Aims: The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to instil the mathematical knowledge and problem solving skills needed to proceed to level-4; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument.

Honours Course Prescription: Four courses as follows: Introductory Algebra AND Choose ONE of: Differential Equations 1 and Introductory Topology AND Choose TWO of: Complex Analysis 1; Differential Equations 2; Discrete Mathematics; Groups, Rings and Fields; Classical Geometry. Transferable Skills work: Latex, Maple and 2 seminars.

Course Co-ordinator: Dr Colin McGregor

0PFH MATHEMATICS 3M (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade C or better in Mathematics 2R and 2S (Algebra 1 and 2), 2U and 2V (Analysis 1 and 2), and 2X and 2Y (Calculus 1 and 2), with an overall average of Grade B or better.

Assessment: Each 25-lecture course is examined in a 2 hour Degree Examination. Transferable Skills work will be assigned marks, amounting to 5% of the availabe marks for Level 3.

Aims: The aims of level-3 are: to provide an introduction to a number of major areas of mathematics rigorously and in depth; to install the mathematical knowledge and problem solving skills needed to proceed to levels 4 and 5; when coupled with further study at level-4, to provide training for those who wish to make a career either in mathematics or in a field where mathematical ability and knowledge of modern mathematical techniques is required; to develop an appreciation of the beauty and depth of Mathematics through detailed study of the proofs of key theorems. The course also aims to develop certain transferable skills in students, including (1) Reasoning Skills: logic, the handling of abstract concepts, problem solving; (2) Communication Skills: the clear and succinct presentation of ideas orally and in writing; (3) Comprehension: the ability to follow a logical argument; (4) Perception: analytical, critical and modelling skills, able to adapt theory according to circumstances.

Honours Course Prescription: Introductory Algebra, Introductory Topology, Complex Analysis 1, Discrete Mathematics, Newtonian Mechanics, Differential Equations 1 Plus choose TWO courses from : Classical Geometry, Differential Equations 2, Groups, Rings and Fields, Dynamical Systems, Mathematical Biology/Mathematical Ecology (given in alternate sessions), Hamiltonian Mechanics/Financial Mathematics (given in alternate sessions), Calculus of Variations and Probability. Transferable Skills work : Latex, Maple and two seminars.

Course Co-ordinator: Dr Colin McGregor

4APW MATHEMATICS 3P: REAL AND COMPLEX VARIABLES

Credits: 20 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

Requirements of entry: Maths 2X at Grade D. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements for the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or 2S). An average of a grade D over these 4 level-2 courses is required.

Assessment: Class test 20%; end of course examination 80%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to rigorous methods in real and a selection of important topics in complex analysis.

Course Co-ordinator: Dr Philip Spain

4ARW MATHEMATICS 3Q: ALGEBRA & NUMBER THEORY

Credits: 20 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

Requirements of entry: Maths 2R or Maths 2W at Grade D. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements for the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or 2S). An average of a grade D over these 4 level-2 courses is required.

Assessment: Class test 20%; end of course examination 80%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to basic concepts in number theory and in the theory of groups.

Course Co-ordinator: Dr Philip Spain

4ATW MATHEMATICS 3R: FINITE MATHEMATICS

Credits: 20 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

Requirements of entry: Maths 2R or Maths 2W at Grade D. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements or the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or 2S). An average of a grade D over these 4 level-2 courses is required.

Assessment: Class test 20%; end of course examination 80%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to linear programming, game theory, and combinatorial topics.

Course Co-ordinator: Dr Philip Spain

4AWW MATHEMATICS 3S: DIFFERENTIAL EQUATIONS

Credits: 20 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Lectures at 9.00 am 2/3 days (alternately) every week. Tutorials fortnightly, time to be arranged.

Requirements of entry: Maths 2X at Grade D. Please note: this is one of a package of 4 level-3 courses in Mathematics leading to a designated degree in Mathematics. Full details of the requirements for a designated degree can be found in the Faculties of Science section of the University Calendar. The requirements for the designated degree include a second-year curriculum that includes Mathematics 2X, 2Y, 2W (or 2R) and 2Z (or

2S). An average of a grade D over these 4 level-2 courses is required.

Assessment: Class test 20%; end of course examination 80%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To learn a variety of methods for solving ordinary and partial differential equations.

Course Co-ordinator: Dr Philip Spain

4WPG APPLIED MATHEMATICS 4H (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses taken

Requirements of entry: Grade D or better in Applied Mathematics 3H (Combined)

Assessment: (a) Each 25-lecture course is examined in a 2-hour Degree Examination, held in May or June. Where a project has been taken, the project report is also considered (it is treated as being equivalent to one Degree Examination paper). (b) (Permission of the Head of Department required) Final Examination 75% (3 courses), plus Project 25%. The final honours classification is based on 60% (4H) and 40% (3M).

Degree Examination taken in: May/June

Aims: The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

Honours Course Prescription: Two options from each of the semester 1 and semester 2 lists given in Mathematics 4H (Single). At the discretion of the Head of Department, a project may be substituted for an option. Zoology/Applied Mathematics students will take Mathematical Biology or Mathematical Ecology (courses given in alternative sessions) as one of their options.

Course Co-ordinator: Dr David Haughton

4WPJ APPLIED MATHEMATICS 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses taken

Requirements of entry: Applied Mathematics 3H at Grade D or better

Assessment: Each 25-lecture course is examined in a 2-hour Degree Examination, held in May or June. The project report is treated as being equivalent to one Degree Examination paper. The final honours classification is based on 60% (4H) and 40% (3H).

Degree Examination taken in: May/June

Aims: The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

Honours Course Prescription: Choose seven options from each of the term 1 and term 2 lists given in Applied Mathematics 4H (Single) and a Level H project, where not more than four options come from one term's list. Please note that in session 2005-6 the Level H project will be optional and students can take either eight courses or seven courses and a Level H project.

Course Co-ordinator: Dr David Haughton

4WRG APPLIED MATHEMATICS 4M (COMBINED)

Credits: 75 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade B or better in Applied Mathematics 3M (Combined)

Assessment: Each 25-lecture course is examined in a 2-hour Degree Examination, held in May or June. The compulsory project is treated as being equivalent to one Degree Examination paper. The final honours classification is based on 60% (4M) and 40% (3M).

Degree Examination taken in: May/June

Aims: The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

Honours Course Prescription: Two options from each of the semester 1 and semester 2 lists given in Mathematics 4H (Single) and a project.

Course Co-ordinator: Dr David Haughton

4WRJ APPLIED MATHEMATICS 4M (SINGLE)

Credits: 150 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Applied Mathematics 3M (Single) at Grade B or better.

Assessment: Each 25-lecture course is examined in a 2-hour Degree Examination. The compulsory project is treated as being equivalent to one Degree Examination paper. The final honours classification is based on 60% (4M) and 40% (3M).

Degree Examination taken in: May/June

Aims: The aim is to provide a challenging and interesting course for able students whose primary interests lie in the application of mathematics either within academia or outwith it, for example, in a commercial or industrial environment. Uniformity of standards between Applied Mathematics and the existing Mathematics degrees will be ensured by: lecturing common course components together; allowing students from each degree programme to participate in options from the other for which they are suitably qualified; examining all students in Applied Mathematics and Mathematics using the same criteria.

Honours Course Prescription: Nine options from the semester 1 and semester 2 lists given in Mathematics 4H (Single), and a project, where not more than five options come from one semester's list.

Course Co-ordinator: Dr David Haughton

4WTJ MATHEMATICAL SCIENCES 4H

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses taken

Requirements of entry: Mathematical Sciences 3H at Grade C

Assessment: See Mathematical Sciences 3H

Degree Examination taken in: May/June

Aims: To present a broadly based degree programme which will provide a good grounding in Mathematical Sciences with emphasis on algorithmic aspects of these subjects; to develop logical thinking and abstract methods of thought to enhance problem solving skills; to develop the computational skills required to implement solutions of problems in the Mathematical Science area; to give equal weighting to the three subject areas and to integrate the knowledge and skills gained in jointly supervised project work.

Honours Course Prescription: Mathematics: 3 options (2 Semester 1, 1 Semester 2) from the list given under Mathematics 4H (Single). Statistics: Semester 1 - Stochastic Processes 4, Semester 2 - Financial Statistics 4. Computing Science: Semester 1 - Advanced Algorithms 4, Semester 2 - 2 options. Additionally a project (25 credits) is undertaken, jointly supervised by two departments.

Course Co-ordinator: Dr David Haughton

406G MATHEMATICS 4H (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Timetable will depend on courses taken

Requirements of entry: Grade D in Mathematics 3H

Assessment: (a) Four 2-hour papers. (b) (Permission of the Head of Department required) Final Examination 75% (3 courses), plus Project 25%. The final honours classification is based on 60% (4H) and 40% (3H).

Degree Examination taken in: May/June

Aims: See Mathematics 3H (Combined)

Honours Course Prescription: Two options from each of the semester 1 and semester 2 lists given in Mathematics 4H (Single). At the discretion of the Head of Department, a project may be substituted for an option.

Course Co-ordinator: Dr David Haughton

406J MATHEMATICS 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade D in Mathematics 3H

Assessment: Each 25 lecture course is examined in a 2-hour Degree Examination, held in May or June. The project report is treated as being equivalent to one Degree Examination paper. The final honours classification is based on 60% (4H) and 40% (3H).

Degree Examination taken in: May/June

Aims: See Mathematics 3H (Single)

Honours Course Prescription: Choose seven options from each of the term 1 and term 2 lists given in Mathematics 4H (Single) and a Level H project, where not more than four options come from one term's list. Please note that in session 2005-6 the Level H project will be optional and students can take either eight courses or seven courses and a Level H project.

Course Co-ordinator: Dr David Haughton

1PKG MATHEMATICS 4M (COMBINED)

Credits: 75 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade B in Mathematics 3M (Combined)

Assessment: Four 2 hour examinations (80%) plus compulsory project examined by dissertation (20%). The final honours classification is based on 60% (4M) and 40% (3M).

Degree Examination taken in: May/June

Aims: See Mathematics 3M (Combined)

Honours Course Prescription: Four courses from the list given in Mathematics 4H, plus a compulsory project, examined by dissertation.

Course Co-ordinator: Dr David Haughton

1PKJ MATHEMATICS 4M (SINGLE)

Credits: 150 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade B in Mathematics 3M (Single)

Assessment: Nine examinations (2 hours) (90%). Compulsory project, examined by dissertation (10%). The final honours classification is based on 60% (4M) and 40% (3M).

Degree Examination taken in: May/June

Aims: See Mathematics 3M (Single)

Honours Course Prescription: Project (examined by dissertation), plus nine courses chosen from the list given in Mathematics 4H (Single).

Course Co-ordinator: Dr David Haughton

Music

0UUU ACOUSTICS AND RECORDING TECHNIQUES (ART)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly lectures and laboratories/practicals in Music department (Acoustics classes in Physics Department Lecture theatre).

Requirements of entry: Admission to BEng and Music Programme (E1)

Co-requisites: The E1 course comprises Integrated Musicianship together with the new ART course.

Assessment: Continuous assessment. Acoustics lab report, Acoustics essay, two music technology assignments, equally weighted.

Aims: To provide an overview of the nature of sound and the acoustics of music, and to instigate the primary skills in recording practice.

Course Co-ordinator: Ms Carola Boehm

106U B.MUS. (YEAR 1)

Credits: 120 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly classes and lectures in Integrated Musicianship (for BMus, including harmony, orchestration and writing about music), Music in Contemporary Culture, History and Performance.

Requirements of entry: Pass in the B.Mus. entrance audition and interview.

Assessment: Continuous assessment

Degree Examination taken in: May/June

Aims: To provide a broad vocational course of study covering the core elements of Western Music - Analysis, Aural Perception, Harmony and Counterpoint, Orchestration, Composition, Performance and the History of Music, together with an introduction to the cultural background of many forms of music.

Course Co-ordinator: Dr Warwick Edwards

8RLU INTEGRATED MUSICIANSHIP 1

Credits: 80 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly/Fortnightly 1-hour plenary lecture; weekly tutorial in musicianship; weekly tutorial in harmony and counterpoint; four lectures, six tutorials and four workshops throughout the year in orchestration; ditto, in writing about music.

Requirements of entry: Pass in the BMus entrance audition and interview.

Assessment: Continuous assessment throughout the course in aural tests (25%), harmony and counterpoint (25%), orchestration (25%) and writing about music (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To bring together students on all three Music Department degree courses, enabling them to gain a close knowledge of a representative selection of the genres and forms of the repertoire of western art and popular music through the last millennium, and to develop a variety of oral, aural and written skills with which to make discriminating analyses of the principal acoustic and structural principles which inform them.

Course Co-ordinator: Dr David Code

8JKU MUSIC 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly/Fortnightly 1-hour plenary lecture; weekly tutorial in musicianship; weekly lectures in Music and Contemporary Culture, six tutorials spread throughout the year.

Requirements of entry: Students are expected to have at least a B grade in Music at SQA Higher, or equivalent.

Assessment: Continuous assessment throughout the course in aural tests (50%), essays and project in Music in Contemporary Culture (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide an introduction to skills in musicianship (as a prerequisite for all further courses in music) and to develop a cultural awareness of the role of music in contemporary society. The Integrated Musicianship classes bring together students on all three Music Department degree courses, enabling them to gain a close knowledge of a representative selection of the genres and forms of the repertoire of western art and popular music through the last millennium, and to develop a variety of oral, aural and written skills with which to make discriminating analyses of the principal acoustic and structural principles which inform them. The music in contemporary culture component will give a broad picture of the way that music has been produced, used and experienced over the last century or so. Its relation to broader cultural trends will be a particular focus of the course, as will the ways in which music has acquired meaning and significance in recent years.

Course Co-ordinator: Prof Marjorie Rycroft

3TBU MUSIC E1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly lectures and labs in Acoustics and Recording Techniques; weekly two-hour labs (2nd semester); weekly/fortnightly 1-hour plenary lecture in musicianship; weekly tutorial in musicianship. The musicianship sessions can be replaced by performance (private lessons, entry by audition).

Assessment: Continuous assessment. Acoustics lab report, Acoustics essay, two music technology assignments, equally weighted, Aural tests throughout the year.

Degree Examination taken in: May/June

Aims: To provide an overview of the nature of sound and the acoustics of music, and to investigate its relationship to music technologies. To bring together students on all three Music Department degree courses, enabling them to gain a close knowledge of a representative selection of the genres and forms of the repertoire of western art and popular music through the last millennium, and to develop a variety of oral, aural and written skills with which to make discriminating analyses of the principal acoustic and structural principles which inform them.

Course Co-ordinator: Ms Carola Boehm

8NGU MUSIC IN CONTEMPORARY CULTURE

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly one-hour lectures, 6 tutorials spread throughout the year. Workshops, as announced.

Assessment: Continuous assessment. Two essays (each weighted 25%) and a written report (weighted 50%) based on research undertaken throughout the year on one particular institution of music.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is designed for students who do not necessarily have experience in music notation and theory. However, it will cover issues concerning contemporary culture that will be relevant for all music students and it is not intended to be a superficial survey of repertory. Using as many of the available departmental faculty as possible, this course aims to give a broad picture of the way that music has been produced, used and experienced over the last century or so. Its relation to broader cultural trends will be a particular focus of the course as will the ways in which music has acquired meaning and significance in recent years.

Course Co-ordinator: Prof John Butt

1XRB PERFORMANCE LEVEL 1 (FOUNDATION)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Individual lessons, normally fortnightly over 25 weeks, at times to be arranged between students and teacher; occasional workshops on Thurs, 3-5pm

Requirements of entry: B.Mus. - admission to year 1. B.Eng. - entry by audition in October.

Assessment: Two recitals of approved programmes, each with a written commentary (not exceeding 500 words), and diary of performances and concert administration undertaken during the session. January - c.10 minutes (25%). June - c.15 minutes (75%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: By the end of the course students will be able: 1) to perform repertoire of approximately the standard of the Advanced Certificate of the Associated Board; while this gives an indication of the standard of difficulty, greater importance is attached to the choice of pieces commensurate with the student's technical competence, to enable him/her to sing or play well. 2) to understand better the contribution to their development as performers of participation in group performance activity, and 3) to appreciate the importance of the organisational and entrepreneurial aspects of music making in relation to public performance.

Course Co-ordinator: Prof Marjorie Rycroft

0VGV AESTHETICS AND PHILOSOPHY OF MUSIC (APM) (ONLY AVAILABLE IN 2005-2006)

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Three hours per week, 2 as lectures, 1 as seminar.

Requirements of entry: Students should have completed the first year in either BMus, MA or BEng.

Aims: Through the close reading of philosophical and aesthetic writings, this course will attempt to focus critical attention on a number of fundamental musical and cultural ideas and ideologies. We will discuss notions such as the work concept, expression, value, beauty, meaning, authenticity, intention and ownership. Group discussion is a key element of this course and all students will be expected to contribute to weekly seminars.

Course Co-ordinator: Dr Martin Dixon

106V B.MUS. (YEAR 2)

Credits: 120 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on course options

Requirements of entry: D grades in B.Mus. (Year 1) course units (120 credits)

Assessment: Continuous assessment

Degree Examination taken in: May/June

Aims: To provide further study of the core elements (q.v. B.Mus.Year 1), in Musical Techniques, History of Genres and Cultures, Composition (intermediate) together with further credit units drawn from options in History, Acoustics and Music Technology, or Performance Intermediate.

Course Co-ordinator: Dr Warwick Edwards

9SZV COMPOSITION, INTERMEDIATE

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Weekly lectures; workshops and tutorials tba.

Requirements of entry: D grade in Integrated Musicianship.

Assessment: Workshop assignment (moderated self-assessment) - 30%; 2 Composition assignments (staff assessed) - 20% and 50%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enable students to develop and apply a range of compositional skills, through exploration of repertoire and techniques based on contemporary and 20th century approaches to composition.

Course Co-ordinator: Dr Nicolas Fells

JCCV MUSIC 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on options taken.

Requirements of entry: D grade in Music 1.

Assessment: Continuous assessment

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a flexible modular programme for those who wish to study Music within the context of an interdisciplinary degree, building on the foundation in musicianship skills and music culture in Music 1. Students take a compulsory core course in musical techniques and choose one course in composition (intermediate) or in the history of musical genres and cultures.

Course Co-ordinator: Prof Marjorie Rycroft

3TBV MUSIC E2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on options taken.

Requirements of entry: D grade in Music E1, with no component course below E.

Assessment: Continuous assessment.

Degree Examination taken in: May/June

Aims: To build on the foundation of Music E1, in Acoustics, Music Technology and Musicianship, with a core course in Practical Recording and MIDI Processing, together with an option in the history of musical genres and cultures, composition intermediate, musical techniques or performance (foundation or intermediate).

Course Co-ordinator: Ms Carola Boehm

88CX MUSIC TECHNOLOGY (MT)

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Weekly lectures and laboratories throughout the year.

Requirements of entry: Option for BMus and MA students in years 2-3; D grade in BEng 1 (E1), but only available for BEng course from 2006-07.

Assessment: Continuous assessment based upon weekly labs, two practical projects (one at in week 9 one in week 23) and final essay.

Aims: To introduce and explore the theory and practice of music technology, exploring such techniques as digital editing, compositional tools, sequencing and notation.

Course Co-ordinator: Ms Carola Boehm

9MYV MUSICAL TECHNIQUES, INTERMEDIATE

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Weekly lectures and/or tutorials.

Requirements of entry: Integrated Musicianship (BMus) or Musical Techniques 1. Compulsory core course in BMus 2.

Co-requisites: Composition Intermediate (BMus Only)

Assessment: Four pieces of work (each weighted 25%), the better of two submissions from each of the four sections of the course.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To acquire insight into selected historical styles and compositional techniques through analysis and imitation.

Course Co-ordinator: Prof Marjorie Rycroft

1XRC PERFORMANCE LEVEL 2 (INTERMEDIATE)

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Individual lessons, normally fortnightly over 25 weeks, at times arranged between students and teacher; occasional workshops on Thurs 3-5pm

Requirements of entry: C grade in Performance, Foundation and satisfactory attendance teachers' reports (BEng, BMus); audition, held at beginning of session (MA).

Assessment: Two recitals of approved programmes, each with a written commentary (not exceeding 500 words), and a diary of performances and concert administration undertaken during the session. January - c.15 minutes (25%). June - c.20 minutes (75%).

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: By the end of the course students will be able: 1) to perform repertoire of a degree of difficulty in advance of that for Performance (Foundation); while this gives an indication of the standard of difficulty, greater importance is attached to the choice of pieces of commensurate with the student's technical competence, to enable him/her to sing or play well. 2) to understand

better the contribution to their development as performers of participation in group performance activity, and 3) to appreciate the importance of the organisational and entrepreneurial aspects of music making in relation to public performance.

Course Co-ordinator: Prof Marjorie Rycroft

9SHV POPULAR MUSIC (ONLY AVAILABLE IN 2005-2006)

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Taught in alternate years. Weekly lectures plus additional events and workshops, as announced.

Requirements of entry: Ability to read music notation fluently. This course is normally open only to BMus students and to those on the MA or BEng programmes who have taken Integrated Musicianship.

Assessment: Continuous assessment. Four submissions during the session in the form of: annotated transcriptions from performances or recordings; compositional exercises in particular styles or genres; recorded seminar performance-demonstrations essays

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To understand some of the basic principles of composition and analysis of music, using the materials of the popular music repertoire of the past 100 years as a starting point.

Course Co-ordinator: Mr William Sweeney

6MNV PRACTICAL RECORDING & MIDI PROCESSING

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Practical sessions, 3 hours per week in concert hall and studios.

Requirements of entry: D grade in BEng 1, with no component course below E. Compulsory component in BEng 2.

Assessment: Continuous assessment comprising: a live recording (group project, 40%); MIDI project (individual presentation, 20%); session recording (Individual project, 40%).

Aims: To provide a grounding in the use of professional sound studios for recording.

9NMV ROMANTIC SONG (ONLY AVAILABLE IN 2005-2006)

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 2 lectures per week; 10 tutorials/seminars/workshops spread throughout semester.

Requirements of entry: Completion of first-year in MA, BMus or BEng course

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to introduce students to the tradition of European art song composition, from early German Romanticism through to later Romantic and post-Romantic descendants. It will consist of four units: 1. The early Romantic Lied and song cycle: Schubert and Schumann 2. The later Romantic Lied and song cycle: Brahms, Wolf, Liszt 3. The French melodie: Berlioz, Faure, Debussy, Ravel 4. Post-Romantic Lieder including orchestral song: Mahler, Berg, Strauss

Course Co-ordinator: Dr Martin Dixon

106W B.MUS. (YEAR 3)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on course options

Requirements of entry: D grades in B.Mus. qualifying courses totalling at least 240 credits

Assessment: Continuous assessment

Degree Examination taken in: May/June

Aims: To provide a core course in Historiography and Criticism, together with advanced study in a historical topic, supported by advanced study in Composition and/or Performance and a range of further options, such as Dissertation, Notation and Analysis. To develop initiative, self-reliance and critical ability; and to provide students with the opportunity to develop transferable skills.

Course Co-ordinator: Dr Warwick Edwards

89FN CHAMBER MUSIC (ONLY AVAILABLE IN 2005-2006)

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: 2 lectures per week; 2 blocks of seminars during semester; tutorials tba.

Requirements of entry: D grades in Music in Contemporary Culture and in one 20 credit course under the category heading 'Studies in the history of genres and cultures'

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Critical and practical approaches to the chamber music of the 18th-21st centuries

Course Co-ordinator: Prof Marjorie Rycroft

9SEK COMPOSITION, HIGHER

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly lectures; workshops and tutorials tba.

Requirements of entry: D grade in Composition, Intermediate.

Assessment: 1 Workshop (moderated self-assessment) - 20%; 1 Composition for prescribed ensemble - 30%; 1 Free Composition - 50%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enable students with a particular talent for composition to take an additional composition unit in which the emphasis is on guided individual work, rather than on particular repertories or techniques.

Course Co-ordinator: Dr Nicolas Fells

96NG CONTEMPORARY MUSIC ENSEMBLE

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Workshops/tutorials 2 hours per week.

Requirements of entry: B grade in Performance, Foundation or Intermediate. Subject to approval of course co-ordinator.

Co-requisites: May only be taken by candidates simultaneously enrolled in Performance, Intermediate or Higher.

Assessment: Two ensemble performances of approved programmes, equally weighted.

Degree Examination taken in: May/June

Aims: To give students a practical acquaintance with the special skills involved in performing contemporary ensemble music.

Course Co-ordinator: Dr Nicolas Fells

89JA ELECTROACOUSTICS COMPOSITION (ARTS)

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly seminars/laboratory classes.

Requirements of entry: D grade in Acoustics and Music Technology. Compulsory course in BEng 4, requiring D grade in BEng 3, with no component course below E.

Assessment: Three assignments: Assignment 1 - studio-based compositional study (20%); Assignment 2 - combined analysis & graphic score (30%); Semester 2 - studio composition (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to the repertoire, history, language and techniques of electroacoustic music, and to enable students to develop skills in creative expression with musical technologies.

Course Co-ordinator: Dr Nicolas Fells

0DZW HISTORIOGRAPHY & CRITICISM

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: 2 lectures/seminars per week.

Requirements of entry: D grade in two level 1-2 History of Music courses.

Assessment: Continuous assessment, comprising two essays (60%) and two seminar presentations (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To survey various approaches to the understanding of historical processes in music. Topics in historiography, source studies, principles of criticism, aesthetics and historical interpretation will be covered.

Course Co-ordinator: Dr David Code

106D MUSIC 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on which options are taken

Requirements of entry: Pass at 'D' grade or higher in Music 2.

Assessment: Continuous assessment in courses totaling 60 credits.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Students will consolidate their preparation in Music 1 and 2 (which provide a foundation in musicianship, music in culture, musical techniques, music history or composition) with more advanced study of acoustics, history, musical techniques, composition or history.

Course Co-ordinator: Prof Marjorie Rycroft

106F MUSIC 3H (M.A. JOINT HONOURS)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on which options are taken.

Requirements of entry: C grade in Music 2.

Assessment: Continuous assessment.

Degree Examination taken in: May/June

Aims: To provide a flexible modular programme for those who wish to study Music within the context of an interdisciplinary degree; to offer options at a more advanced level, enabling greater specialisation than Music 1 and 2; to develop initiative, self-reliance and critical ability; to provide students with the opportunity to develop transferable skills.

Honours Course Prescription: Historiography & Criticism and courses from the list below (subject to availability and to meeting pre-requisites) to the combined total value of 120 credits. At least half Junior Honours choices will be 20-credit courses, while Senior Honours will normally comprise 30-credit courses. Historiography & Criticism cannot be taken until you have completed at least two courses in music history or musical genres. Lower Level courses (all 20 credits): Acoustics & Music Technology; Composition, Intermediate; Musical Techniques, Intermediate; Performance, Intermediate; Popular Music; J.S. Bach and the Passion Tradition - semester 1; Romantic Song - semester 2; Medieval and Renaissance music - semester 1; Opera. Higher Level courses (all 30 credits): Chamber Music - semester 2; Composition, Higher; Contemporary Music Ensemble;

Dissertation; Electroacoustic Composition; Historiography & Criticism - semester 2; Multimedia Analysis & Presentation; Notation; Performance, Higher; Performance Practice; Aspects of Modernity - semester 1; The Music of Scotland - semester 2; Schenkerian Analysis - semester 1.

Course Co-ordinator: Prof Marjorie Rycroft

106H MUSIC 3H (M.A. SINGLE HONOURS)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on which options are taken.

Requirements of entry: C grade in Music 2.

Assessment: Continuous assessment.

Degree Examination taken in: May/June

Aims: To provide a flexible modular programme for those who wish to study Music within the context of an interdisciplinary degree; to offer options at a more advanced level enabling greater specialisation than Music 1 and 2; to develop initiative, self-reliance and critical ability; to provide students with the opportunity to develop transferable skills.

Honours Course Prescription: Historiography & Criticism and courses from the list below (subject to availability and to meeting pre-requisites) to the combined total value of 240 credits. At least half Junior Honours choices will be 20-credit courses, while Senior Honours will normally comprise 30-credit courses. Historiography & Criticism cannot be taken until you have completed at least two courses in music history or musical genres. Lower Level courses (all 20 credits): Acoustics & Music Technology; Composition, Intermediate; Musical Techniques, Intermediate; Performance, Intermediate; Popular Music; J.S. Bach and the Passion Tradition - semester 1; Romantic Song - semester 2; Medieval and Renaissance music - semester 1; Opera. Higher Level courses (all 30 credits): Chamber Music - semester 2; Composition, Higher; Contemporary Music Ensemble; Dissertation; Electroacoustic Composition; Historiography & Criticism - semester 2; Multimedia Analysis & Presentation; Notation; Performance, Higher; Performance Practice; Aspects of Modernity - semester 1; The Music of Scotland - semester 2; Schenkerian Analysis - semester 1.

Course Co-ordinator: Prof Marjorie Rycroft

89HP NOTATION

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly lectures/workshops, tutorials on computer music notation and project tutorials.

Requirements of entry: Normally a D grade in History of Music (Medieval and Renaissance), together with Musical Techniques, Intermediate, either as pre-requisite (D grade) or as co-requisite.

Co-requisites: Normally Musical Techniques, Intermediate.

Assessment: Continuous assessment, resulting in computer notation exercises (10%), workshop participation (10%); two projects on contrasting musical materials (40% each).

Degree Examination taken in: May/June

Aims: An introduction to music notation of various periods, to techniques of editing and to music typesetting by computer.

Course Co-ordinator: Dr Warwick Edwards

89HH PERFORMANCE HIGHER

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Individual lessons, normally weekly over 25 weeks, at times arranged between students and teacher; occasional 2-hour workshops; University concerts, attendance and concert administration.

Requirements of entry: B grade in Performance Intermediate and satisfactory attendance and teacher's reports.

Assessment: Two recitals of approved programmes, each with a written performance commentary (not exceeding 750 words), and diary of performances and concert administration undertaken during the session. January recital, c. 15 minutes (25%), June recital, c. 30 minutes (75%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Private instructors and course leader will endeavour to prepare students to attain the levels of attainment specified in the Intended Learning Outcomes

Course Co-ordinator: Prof Marjorie Rycroft

89HJ PERFORMANCE PRACTICE

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly 2-hour lectures, rehearsals, seminars and workshops.

Requirements of entry: Music 2 or BMus 2 (preference may be given to those taking Performance options).

Assessment: Continuous assessment, resulting in four submissions, equally weighted: two essays (1500 words), one practical demonstration of historically informed performance/jazz/contemporary improvisation, one seminar paper (10 minutes).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To understand issues concerning the performance of music from the Middle Ages up to the recent past. The course is essentially about historical practice (in the widest sense) and how this can be applied to the preparation of performance today. It aims to develop an awareness of stylistic differences in performance and interpretation, both in historical contacts and in current practice.

Course Co-ordinator: Prof John Butt

9SJK SCHENKERIAN ANALYSIS (ONLY AVAILABLE IN 2005-2006)

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Taught in alternate sessions. Two seminars per week.

Requirements of entry: D grade in Musical Techniques Intermediate.

Assessment: Continuous Assessment based on three portfolios of exercises (weighting 33.3% each). Each portfolio will contain a selection of exercises derived from the chapters of Forte's text which have been studied up to submission date for that particular portfolio.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To build a repertoire of concepts and techniques for the description of musical structure in tonal compositions, especially those based on concepts enunciated by Heinrich Schenker (1868-1935), and developed, elaborated or modified by other writers in more recent times. Where appropriate, reference will also be made to earlier theorists and theories of tonal music on which Schenker drew. The course assumes a basic knowledge of the principles of harmony and counterpoint, and a capacity to assign certain broad tonal and thematic features of compositions from the 'standard' repertoire (of the 18th and 19th centuries) to a number of stereotypical formal patterns. Building upon this basic knowledge, the course explores a more sophisticated approach to the analysis of both detailed and global aspects of tonal compositions chosen from this repertoire.

Course Co-ordinator: Prof Graham Hair

92GC SOFTWARE SYNTHESIS AND COMPOSITION SYSTEMS

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly 2-3 hour seminar/laboratory classes.

Requirements of entry: D grade in BEng 2, with no component course below E. Compulsory course in BEng 3.

Assessment: Continuous assessment based upon three assignments including composition and technical design aspects, as detailed in the course handout, weighted at 20, 30 and 40%; also small exercises which will be set during the module for submission the following week (10%).

Aims: To introduce and explore contemporary computer music environments for synthesising and manipulating sound for creative musical ends.

0VAW STUDIO TECHNOLOGY AND RECORDING PRACTICE

Credits: 20 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures and Practical sessions, up to 3 hours per week in concert hall and studios.

Requirements of entry: D grade in BEng 2, with no component course below E. Compulsory component in BEng 3.

Assessment: Continuous assessment comprising: a live recording (group project, 40%); MIDI project (individual presentation, 20%); session recording (Individual project, 40%).

Aims: To provide an advanced grounding in the use of professional sound studios for recording.

Course Co-ordinator: Ms Carola Boehm

106X B.MUS. (HONOURS)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Flexible - dependent on course options

Requirements of entry: D passes in the required 18 course units for the B.Mus. General Degree (360 credits), plus either a B pass in Performance (Higher) or a C pass in at least one of Composition (Higher), Dissertation

Assessment: Continuous assessment

Degree Examination taken in: May/June

Aims: To provide for specialisation in one of the three main elements (History, Composition, Performance) supported by a range of options; to develop initiative, self-reliance and critical ability; to provide students with the opportunity to develop transferable skills; at least one Advanced 50-credit unit (in Composition, Dissertation, Edition or Performance) is taken together with a range of 30 credits, as required, to bring cumulative B.Mus. total to 480 credits.

Course Co-ordinator: Dr Warwick Edwards

106G MUSIC 4H (M.A. JOINT HONOURS)

(See: 106F MUSIC 3H (M.A. JOINT HONOURS))

106J MUSIC 4H (M.A. SINGLE HONOURS)

(See: 106H MUSIC 3H (M.A. SINGLE HONOURS))

Philosophy

1CVU PHILOSOPHY 1K: KNOWLEDGE AND THE WORLD

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: The Class Hour is 10.00 am to 11.00 am daily or 2 to 3 pm daily. Weekly meeting of tutorial groups.

Assessment: One essay (40%) and a final examination (60%).

Aims: To introduce students to the study of Philosophy via the study of issues, theories and types of argument arising in epistemology, philosophy of mind and metaphysics. To prepare students for more advanced

study in philosophy. To foster analytical thinking via (a) the identification and clarification of conceptual relationships and (b) the identification and evaluation of assumptions and arguments. To develop skills of interpretation, criticism, clarity, relevance and sound argumentation.

Course Co-ordinator: Mr Paul Brownsey

1CUU PHILOSOPHY 1M: RIGHT AND WRONG

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: The Class Hour is 10.00 am to 11.00 am daily or 2 to 3 pm daily. Weekly meeting of tutorial groups.

Assessment: One essay (40%) and a final examination (60%).

Aims: To introduce students to the study of philosophy via the study of issues, theories and types of argument characteristic of moral and political philosophy (but without presupposing or seeking to promote any particular set of moral or political beliefs in the student). To prepare students for more advanced studies in philosophy. To foster analytical thinking, including (a) identifying and clarifying conceptual relationships and (b) identifying and questioning assumptions. To foster interpretation and evaluation of philosophical writings, classic and modern. To develop the skills of criticism and sound argumentation. To foster the communication skills of clarity, relevance and structured reasoning.

Course Co-ordinator: Mr Kenneth Porter

8OBV PHILOSOPHY 2K:KNOWLEDGE, MEANING & INFERENCE

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: The class hour is 12.00 noon to 1.00p.m. daily. Weekly meetings of tutorial groups and logic tutorial groups.

Requirements of entry: Grade D in a level 1 Philosophy course

Excluded Courses: Philosophy 7ECV - Knowledge, Meaning and Inference.

Assessment: One essay (40%) and a final examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To continue the study of philosophical issues, theories and types of argument. To prepare students for more advanced study in philosophy. To foster interpretation and evaluation of philosophical writings, classic or modern. To develop the skills of criticism and sound argumentation. To foster rigorous critical thinking, including (a) identifying and clarifying conceptual relationships; (b) identifying and questioning assumptions, including one's own; (c) mastering challenging material. To foster the communication skills of clarity, relevance, structured reasoning, and concise expression.

Course Co-ordinator: Dr Gary Kemp

8OCV PHILOSOPHY 2M:MORALITY,POLITICS & AUTHENTICITY

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: The class hour is 12 noon to 1 p.m. daily. Weekly meetings of tutorial groups.

Requirements of entry: Grade D in a level 1 Philosophy Course

Excluded Courses: PHIL 7EDV, Morality, Politics and Authenticity.

Assessment: One essay (40%) and a final examination (60%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To survey arguments in moral and political philosophy, building on Level 1 Philosophy courses. Content aims: to provide the student with a broad historical background in moral and political philosophy. Skill aims: to foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

Course Co-ordinator: Dr Gary Kemp

375F PHILOSOPHY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The Class hours are 11.00 a.m. to 12.00 noon and 12.00 noon to 1.00 p.m. daily, together with other hours to be arranged.

Requirements of entry: Normally two Level 2 Philosophy courses with B in one and C in the other.

Assessment: All courses will be assessed at the end of the year in which they are taken. Grades for the six courses count equally in determining the final degree classification.

Degree Examination taken in: May/June

Aims: To give students a grounding in some of the central doctrines in philosophy and in the classic texts where these doctorines were first expounded; to teach students to distinguish different types of question and the different methods appropriate to answering them; to encourage students to engage with the topics and debate them for themselves. Skill aims: To foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings, classic or modern; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

Honours Course Prescription: You choose six 20-credit courses, comprising three Junior Honours courses in the Junior year and three Senior Honours courses in the Senior year.

Course Co-ordinator: Dr David Bain

375H PHILOSOPHY 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: The Class hours are 11.00 a.m. to 12 noon and 12 noon to 1.00 p.m. daily, together with other hours to be arranged

Requirements of entry: Normally two Level 2 Philosophy courses with B in one and C in the other.

Assessment: All courses will be assessed at the end of the year in which they are taken. Grades for the twelve courses count equally in determining the final degree classification. The dissertation, if chosen, carries the same weight as one course.

Degree Examination taken in: May/June

Aims: General aims: To give students a grounding in some of the central doctrines in philosophy and in the classic texts where these doctrines were first expounded; to teach students to distinguish different types of question and the different methods appropriate to answering them; to encourage students to engage with the topics and debate them for themselves. Skills aims: To foster analytical thinking, including (1) identifying and clarifying conceptual relationships and (2) identifying and questioning assumptions; to foster interpretation and evaluation of philosophical writings, classic or modern; to develop the skills of criticism and sound argumentation; to foster the communication skills of clarity, relevance, and structured reasoning.

Honours Course Prescription: Six courses chosen from the following list of Junior Honours courses: History of Modern Philosophy 1, Metaphysics, Epistemology, Philosophy of Language, Philosophy of Mind, Formal Logic, History of Moral and Political Philosophy, Political Philosophy, Moral Philosophy. These will normally be taken in the 3H year. Six courses chosen from the list of Senior Honours. These will normally be taken in the 4H year. A dissertation may be substituted for one of the Senior Honours options.

Course Co-ordinator: Dr David Bain

0KRW SPACE, CYBERSPACE AND THE SELF

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: The class will meet three times a week, two lectures and one seminar. There will be additional film screening times, but these will be arranged when the class meets. Proposed class hour: 1pm

Requirements of entry: The entry requirements are one D pass in a level 2 course taken from the core. Relevant level 2 courses have to be from the following group: Film and Television, Music, Theatre Studies, History of Art, and Philosophy.

Excluded Courses: Normally all Honours level courses will be excluded combinations with this course.

Assessment: The entry requirements are one D pass in a Level 2 course taken from the core. The course work consists of an essay (25%), an examination (30%), designing and implementing a web page (25%), and seminar contribution (20%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop an understanding of issues surrounding the notions of space and time as employed in philosophy, the media, and literature. To learn to engage critically with an exciting interdisciplinary area. To be open to different influences as a means of understanding a subject more fully. To understand that no single perspective offers a definitive explanation for these complex phenomena, but that together they can be instructive in moving our knowledge of the subject matter forward.

Course Co-ordinator: Dr Susan Stuart

375J PHILOSOPHY 4H (SINGLE)

(See: 375H PHILOSOPHY 3H (SINGLE))

375G PHILOSOPHY 4H (JOINT)

(See: 375F PHILOSOPHY 3H (JOINT))

Physics & Astronomy

2KPU ASTRONOMY 1X

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: 4 or 5 days weekly at 1.00 pm, Laboratories certain Tuesdays or Thursdays at 2.30 pm-5.30pm

Requirements of entry: Pass in Maths SQA Higher or equivalent. Pass in Physics SQA Standard Grade or equivalent. (Pass in Physics SQA Higher or equivalent is advised).

Assessment: One 2 hour examination (75%), assessment of tutorial and laboratory course work (25%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) To present a general introduction to the subject of astronomy, and in particular the areas of solar system physics, positional astronomy and dynamical astronomy; (2) To introduce students to some practical aspects of astronomy through laboratory work; (3) To encourage students to organise their time and work effectively.

Course Co-ordinator: Dr Declan Diver

2KRU ASTRONOMY 1Y

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: 4 or 5 days weekly at 1.00 pm, Laboratories certain Tuesdays or Thursdays at 2.30 pm-5.30 pm

Requirements of entry: Pass in Maths SQA Higher or equivalent. Pass in Physics SQA Standard Grade or equivalent. (Pass in Physics SQA Higher or equivalent is advised).

Assessment: One 2 hour examination (75%), assessment of tutorial and laboratory work (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To present a general introduction to the subject of astronomy in the context of the wider universe - namely the stars & galaxies and cosmology; (2) To introduce students to aspects of observational techniques in astronomy; (3) To introduce students to some practical aspects of astronomy through laboratory work; (4) To encourage students to organise their time and to work effectively.

Course Co-ordinator: Dr Declan Diver

2PLU EXPLORING THE COSMOS 1X

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Daily at 1.00 pm

Assessment: One 2 hour examination (80%), continuous assessment (20%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) To survey our present understanding of the solar system and of the Sun as the source of energy for life on Earth, together with the possibility of life elsewhere. (2) To provide in this context, for students who do not propose to enter an Honours course in physics, some understanding of how data are gathered, evidence assessed, and argument conducted in a physical science. (3) To convey some appreciation of key episodes in the historical development of our knowledge of the Sun and the solar system.

Course Co-ordinator: Prof C Froggatt

2PMU EXPLORING THE COSMOS 1Y

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Daily at 1.00 pm.

Assessment: One 2 hour examination (80%), continuous assessment (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To survey our present understanding of the structure and evolution of stars, galaxies and the universe as a whole, and how this is derived from investigating the full range of radiation incident on the Earth. (2) To give some appreciation of key episodes in the historical development of this understanding. (3) To provide in this context, for some students not proposing to enter an Honours course in physics, some understanding of how data are gathered, evidence assessed and argument conducted in a physical science.

Course Co-ordinator: Prof C Froggatt

2PNU PHYSICS 1P

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: 4 or 5 days weekly at 9.00 am; tutorials and laboratories as arranged

Requirements of entry: Pass in Physics or Mathematics (SQA Higher or equivalent)

Excluded Courses: Physics 1X

Assessment: One 2 hour examination (80%); assessment of laboratory work (20%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) To give students an overview of the basic laws of physics in the areas of Forces and Motion, Heat and Fluids and of how they are used in everyday life as well as in other sciences (2) To develop practice in solving simple problems, by applying these laws with the minimum amount of formal mathematics (3) To give students experience of experimental physics (4) To develop the students ability to keep laboratory records and write a report.

Course Co-ordinator: Dr Peter Bussey

2PPU PHYSICS 1Q

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: 4 or 5 days weekly at 9.00 am, tutorials and laboratories as arranged

Requirements of entry: Pass in Physics or Mathematics (SQA Higher or equivalent)

Excluded Courses: Physics 1Y

Assessment: One 2 hour examination (80%); assessment of laboratory work (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To give students an overview of the basic ideas of physics in the areas of Sound and Light, Electricity and Magentism, Atoms and Nuclei and Biological and Environmental Physics. (2) To provide further practice in problem solving, requiring the application of elementary mathematics. (3) To extend students experience of experimental physics. (4) To develop further the students' ability in keeping laboratory records and report writing.

Course Co-ordinator: Dr Peter Bussey

2PRU PHYSICS 1X

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: 4 or 5 days weekly at 9.00 am, Laboratories and tutorial as arranged

Requirements of entry: Pass in Mathematics and normally Physics (SQA Higher or equivalent). In addition, students who wish to follow the 'advanced topics' part of the course should have a grade A or B in Advanced Higher Physics.

Excluded Courses: Physics 1P

Assessment: One 2 hour examination (80%); Assessment of laboratory work (20%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) To ensure students understand the basic ideas of physics in the areas of dynamics (from a vectorial point of view), waves & optics and thermal physics, as a foundation for more advanced study of physics and for application in other sciences; (2) To introduce more advanced topics, particularly special relativity and lasers; (3) To give students experience of experimental physics, by performing and analysing data from a number of straightforward experiments; (4) To develop practice in problem solving, requiring the application of mathematics to explain physical phenomena; (5) To develop the student's ability to keep laboratory records and write reports, including use of a word-processor package, and to introduce the use of a spreadsheet package for the presentation of results; (6) To introduce students to group working within the laboratory setting, and to joint discussion of problem solving strategies within small-group sessions.

Course Co-ordinator: Dr Henry Ward

2PTU PHYSICS 1Y

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: 4 or 5 days weekly at 9.00 am, Laboratories and tutorial as arranged

Requirements of entry: Pass in Mathematics and normally Physics (SQA Higher or equivalent). Students who have a grade A or B in Advanced Higher Physics, who have performed well in P1X will be given the opportunity to follow the 'advanced topics' P1Y course subject to approval of the Class Head.

Co-requisites: Physics 1X

Excluded Courses: Physics 1Q

Assessment: One 2 hour examination (80%), Assessment of laboratory work (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To ensure students understand the basic ideas of physics in the areas of electricity, electronics and magnetism (using vector formalism where appropriate), and quantum phenomena, as a foundation for more advanced study of physics and for application in other sciences; (2) To apply the concepts learned in Physics 1X to explain some thermal and mechanical properties of matter; (3) To introduce more advanced topics, particularly elementary particle physics; (4) To extend the student's experience of experimental physics; (5) To give further practice in problem solving, requiring the application of mathematics to physical phenomenon; (6) To develop the student's ability in report writing, and in the use of a spreadsheet package for the analysis of experimental results.

Course Co-ordinator: Dr Henry Ward

400P ASTRONOMY 2Z

Credits: 30 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Lectures, tutorials and supervision held on Monday, Wednesday and Friday at 11.00 am; laboratory Friday 2.30 pm-5.30pm

Requirements of entry: Grade D in Astronomy 1X and grade D in Astronomy 1Y

Assessment: One 2 and a half hour paper (75%) and assessment of class and laboratory work (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To present an in-depth study, consolidating the elementary introduction of Level 1, of four major themes: observational astrophysics, theoretical astrophysics, stars and their spectra, and relativity and gravitation; (2) To provide training in the principles and practice of astrophysical observing techniques and data analysis using spreadsheets; (3) To provide students with the opportunity to perform fieldwork at a 'dark sky' location, using modern equipment to observe real astrophysical objects; (4) To encourage students to work effectively and to begin to take responsibility for their own education, and to develop their oral and written communication skills.

Course Co-ordinator: Dr Lyndsay Fletcher

2PLV EXPLORING THE COSMOS 2X

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: The class will meet twice weekly 14:00-15:00, Mondays and Wednesdays, weeks 1-12.

Requirements of entry: 40 credits at grade D or above in any of: Exploring the Cosmos 1X/1Y; Astronomy 1X/1Y; Physics 1X/1Y; Physics 1P/1Q; Electrical Engineering 1.

Assessment: 1-hour degree examination (80%); 2 class tests (20%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course is designed to give a survey of our present understanding of 'The Birth of the Universe' from the Big Bang to the formation of Life on Earth. It is intended for students not wishing to enter an Honours course in Astronomy. The course will particularly focus on Cosmology and how recent discoveries and breakthroughs which are presently taking place at a breathtaking pace may confirm or overturn some of our theories of how the Universe and indeed Life itself began. It aims to provide students with an understanding of how astrophysical/chemical data are gathered and interpreted and argument conducted to answer these very fundamental questions.

Course Co-ordinator: Prof Kenneth Strain

2PMV EXPLORING THE COSMOS 2Y

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: The class will meet twice weekly. Mondays and Wednesdays 1400-1500

Requirements of entry: 40 credits at Level D or above in any of: 1) Exploring the Cosmos 1X/1Y; 2) Astronomy 1X/1Y; 3) Physics 1X/1Y; 4) Physics 1P/1Q; 5) Electrical Engineering 1; 6) Earth Science 1X

Assessment: 1 hour degree examination (80%); 2 class tests (20%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is designed to address the physical factors that affect life on Earth through both structural and atmospheric influences. This is achieved mainly by the studies of geophysical systems on the Earth supplemented by comparisons with the terrestrial planets, revealing the forces that shape these planets. It also aims to introduce and explain the techniques of remote sensing which allow observation of physical parameters of the atmospheres, surface compositions and structures of the Earth, Mars and Venus. The course will explain how physical systems such as the atmosphere and magnetosphere determine the environment on Earth and will compare this with the environments on Venus and Mars. In addition, it will show in what ways the Earth is best suited to the development of life and indicate how this affects the search for extraterrestrial life.

Course Co-ordinator: Prof Kenneth Strain

9FWV PHYSICS 2T: C PROGRAMMING UNDER LINUX

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: The lectures will be on Tuesdays and Thursdays at 14:00 during Semester 1. The supervised laboratory sessions will be at times to be agreed with the class. The laboratory will also be available to students at other times during weekdays provided the PCs are not in use by another timetabled class.

Requirements of entry: 40 credits at Level 1 with a grade point average of 10

Co-requisites: None

Assessment: Practical work 30%, Programming test 20%, Degree examination 50%

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The aims of the course are to provide students with a solid grounding in C programming, together with an understanding of the use of the LINUX operating system and experience of using the tools available under LINUX for C programming.

Course Co-ordinator: Dr Ralf Kaiser

4BMV PHYSICS 2U: LABORATORY SKILLS

Credits: 10 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Laboratories: 3 hours per week. Monday or Tuesday or Thursday or Friday 2.00 pm - 5.00 pm

Requirements of entry: Physics 1X or 1P and Physics 1Y or 1Q at grade point average of 10

Excluded Courses: Physics 2X, Physics 2Y

Assessment: Assessment of coursework (100%)

Aims: To teach transferable skills, spreadsheets, data acquisition and analysis, preparation of reports and oral presentations, information retrieval, experimental skills and use of measurement apparatus. This course is taught in the context of experiments in Physics.

Course Co-ordinator: Dr Craig Buttar

4BNV PHYSICS 2X

Credits: 30 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Daily - 12.00 noon. Laboratories: 3 hours per week

Requirements of entry: Physics 1X and 1Y, Mathematics 1R or 1X and Mathematics 1S, 1T or 1Y, normally all at grade D or better

Excluded Courses: Physics 2U

Assessment: One 2 hour paper (60%), assessment of coursework (40%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) To offer a study regime which affords an opportunity to learn and understand the main principles of a number of areas of physics, oscillatory & wave behaviour in classical & quantum systems, Newtonian dynamics, the statistical basis of measurement, and the structural & electrical properties of crystals; (2) To provide training in the principles and practice of physical measurement techniques, and data analysis using spreadsheets; (3) To continue to develop the student's transferable information retrieval and communications skills; (4) To encourage students to work effectively, including as part of a team, and to begin to take responsibility for their own education.

Course Co-ordinator: Dr David Ireland

4BPV PHYSICS 2Y

Credits: 30 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Daily - 12.00 noon. Laboratories: 3 hours per week

Co-requisites: Physics 2X

Excluded Courses: Physics 2U

Assessment: One 2 hour paper (60%); assessment of coursework (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To offer a study regime which affords an opportunity to learn and understand the main principles of a number of areas of physics, rotational dynamics in an astronomical context, thermal properties at a microscopic level, further elements of electricity and magnetism and introductory nuclear and particle physics; (2) To provide training in the principles and practice of physical measurement techniques and data analysis including evaluation of experimental uncertainties; (3) To continue to develop the student's transferable skills

in oral and written communication and computer algebra as an aid to problem solving; (4) To encourage students to work effectively, including as part of a team, and continue to take some responsibility for their own education.

Course Co-ordinator: Dr David Ireland

400F ASTRONOMY 3H (COMBINED) B.Sc

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Wednesday, Friday: 2.00 pm - 5.00 pm; Labs: Monday 12.30 pm - 5.30 pm

Requirements of entry: Astronomy and Subject: Astronomy 2Z at Grade D, plus departmental requirement for Subject, all normally at first diet of examinations.

Assessment: 75 minute written paper per lecture course component (3) (66.6%); astronomy lab project (16.7%); astronomy oral seminar project (16.7%)

Degree Examination taken in: May/June

Aims: (1) To present an integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to aspects of modern astronomy; (4) To provide training and experience in the principles and practice of astronomical observation and measurement and in the reduction and analysis of observational data; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

Honours Course Prescription: Galaxies AND Stellar Structure and Evolution OR Instruments for Optical and Radio Astronomy AND Astronomical Data Analysis; 1 option from High Energy Astrophysics OR Circumstellar Matter, or 1 option from Cosmology OR Exploring Planetary Systems.

Course Co-ordinator: Prof John Brown

0SAF ASTRONOMY 3M (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Wednesday and Friday afternoons 2.00-5.00pm. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

Requirements of entry: Astronomy and Subject: Astronomy 2Z at grade B, plus departmental requirement for Subject, all normally at first diet of examinations.

Assessment: 75 minute written paper per lecture course component (3) (66.6%); astronomy lab project (16.7%); astronomy oral seminar project (16.7%).

Aims: (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology; 1 option from Galaxies OR Circumstellar Matter, or 1 option from Astronomical Data Analysis OR Exploring Planetary Systems.

Course Co-ordinator: Prof John Brown

0SDF ASTRONOMY 3M* (COMBINED)

Credits: 80 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Wednesday and Friday afternoons 2.00-5.00pm. Other meetings at times to be arranged. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

Requirements of entry: Astronomy and Subject: Astronomy 2Z at grade B, plus departmental requirement for Subject, all normally at first diet of examinations.

Assessment: 75 minute written paper per lecture course component (4.5) (75.0%); astronomy lab project (12.5%); astronomy oral seminar project (12.5%).

Aims: (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Stellar Structure and Evolution AND High Energy Astrophysics AND Plasma Theory and Diagnostics OR Instruments for Optical and Radio Astronomy AND Cosmology AND General Relativity and Gravitation; 1 option from Galaxies OR Circumstellar Matter, or 1 option from Astronomical Data Analysis OR Exploring Planetary Systems.

Course Co-ordinator: Prof John Brown

4WWW ASTRONOMY 3P

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Wednesday, Friday: 2.00 pm - 5.00 pm; Labs: Monday 12.30 pm - 5.30 pm

Requirements of entry: Astronomy 2Z at Grade D

Assessment: 75 minute written paper per lecture course component (3) (66.6%); astronomy lab project (16.7%); astronomy oral seminar project (16.7%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To present an integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to aspects of modern astronomy; (4) To provide training and experience in the principles and practice of astronomical observation and measurement and in the reduction and analysis of observational data; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

Course Co-ordinator: Prof John Brown

447F PHYSICS 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 OR 2.

Requirements of entry: Physics 2X, 2Y, and Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 10 plus departmental requirement for Subject, all normally at first diet of examinations. Physics and Arts Subjects (MA): Physics 2X, 2Y at a grade point average of 10.

Assessment: 75 minute written paper per lecture course component (3) (66.6%); assessment of laboratory/IT skills (33.4%).

Degree Examination taken in: May/June

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group, the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Quantum Mechanics.

Course Co-ordinator: Dr Stephen McVitie

447H PHYSICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 and 2.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 10, all normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (6) (66.6%); assessment of laboratory/IT skills (16.7%) (see course guide); group project (16.7%)

Degree Examination taken in: May/June

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group (single honours students), the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Thermal Physics; Circuits and Systems; Quantum Mechanics; and one option from Numerical Methods; Modern Optics; Medical Imaging.

Course Co-ordinator: Dr Stephen McVitie

0STF PHYSICS 3M (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 or 2.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, plus departmental requirement for combined subject, all normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (3) (66.6%); assessment of physics laboratory/IT skills (33.4%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Quantum Mechanics.

Course Co-ordinator: Dr Stephen McVitie

0RSH PHYSICS 3M (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 and 2.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (6) (66.6%); assessment of physics laboratory/IT skills (16.7%); group project (16.7%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Thermal Physics; Circuits and Systems; Quantum Mechanics; and one option from Numerical Methods; Modern Optics; Medical Imaging.

Course Co-ordinator: Dr Stephen McVitie

0SWF PHYSICS 3M* (COMBINED)

Credits: 80 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 or 2.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, plus departmental requirement for combined subject, all normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (4.5) (75.0%); assessment of physics laboratory/IT skills (25.0%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2.

Course Co-ordinator: Dr Stephen McVitie

0RTH PHYSICS 3M* (SINGLE)

Credits: 160 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semesters 1 and 2.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (9) (75.0%); assessment of physics laboratory/IT skills (12.5%); group project (12.5%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications

of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Thermal Physics; Circuits and Systems; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2; and two options from Numerical Methods; Modern Optics; Medical Imaging.

Course Co-ordinator: Dr Stephen McVitie

4BRW PHYSICS 3P

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 OR 2.

Requirements of entry: Physics 2X and 2Y at a grade point average of 10.

Assessment: 75 minute written paper per lecture course component (3) (66.7%); assessment of laboratory/IT skills (33.3%) (see course guide)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To present a course of study which provides the student with knowledge and understanding of key principles and methods in a limited number of areas of modern physics (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications (3) To provide some training in the principles and practice of physical measurement techniques, scientific data analysis, and communication skills (4) To encourage students to work effectively and to grow in their ability to take responsibility for their own learning.

Course Co-ordinator: Dr Stephen McVitie

4BTW PHYSICS 3Q

Credits: 80 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 OR 2.

Requirements of entry: Physics 2X and 2Y at a grade point average of 10

Assessment: 75 minute written paper per lecture course component (5) (75.0%); assessment of laboratory/IT skills (25.0%) (see course guide)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To present a course of study which provides the student with knowledge and understanding of key principles and methods in a selected number of areas of modern physics (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications (3) To provide some training in the principles and practice of physical measurement techniques, scientific data analysis, and communication skills (4) To encourage students to work effectively and to grow in their ability to take responsibility for their own learning.

Course Co-ordinator: Dr Stephen McVitie

4BWW PHYSICS 3R

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1 and 2.

Requirements of entry: Physics 2X and 2Y at a grade point average of 10.

Assessment: 75 minute written paper per lecture course component (6) (66.6%); assessment of laboratory/IT skills (16.7%) (see course guide); group project (16.7%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To present a course of study which provides the student with knowledge and understanding of key principles and methods in a selected number of areas of modern physics (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications (3) To provide some training in the principles and practice of physical measurement techniques, scientific data analysis, and communication skills (4) To encourage students to work effectively and to grow in their ability to take responsibility for their own learning.

Course Co-ordinator: Dr Stephen McVitie

0RQH PHYSICS WITH ASTROPHYSICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 10, all normally at first diet of examination. Additionally Astronomy 1X and 1Y or Exploring the Cosmos 1X

and 1Y at grade D, normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (6) (66.6%); assessment of physics laboratory/IT skills (16.7%); astronomy lab project (8.35%); astronomy oral seminar project (8.35%).

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications and modern astronomy; (4) To provide training in the principles and practice of physical measurement techniques, astronomical observation and scientific data analysis, and give the opportunity for the student to apply these in performing extended project work; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Thermal Physics; Quantum Mechanics; plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology.

Course Co-ordinator: Dr Stephen McVitie

0RYH PHYSICS WITH ASTROPHYSICS 3M (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination. Additionally Astronomy 1X and 1Y at grade D, normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (6) (66.6%); assessment of physics laboratory/IT skills (16.7%); astronomy lab project (8.35%); astronomy oral seminar project (8.35%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Thermal Physics; Quantum Mechanics; plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology.

Course Co-ordinator: Dr Stephen McVitie

0RZH PHYSICS WITH ASTROPHYSICS 3M* (SINGLE)

Credits: 160 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 1. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

Requirements of entry: Physics 2X and 2Y, plus Mathematics 2X, 2Y, 2W (or 2R) at a grade point average of 14, all normally at first diet of examination. Additionally Astronomy 1X and 1Y at grade D, normally at first diet of examination.

Assessment: 75 minute written paper per lecture course component (9) (75.0%); assessment of physics laboratory/IT skills (12.6%); astronomy lab project (6.2%); astronomy oral seminar project (6.2%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods; Waves and Diffraction; Thermal Physics; Quantum Mechanics; Electromagnetism 1; Mathematical Methods 2. Plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology. Plus EITHER Plasma Theory and Diagnostics OR General Relativity and Gravitation.

Course Co-ordinator: Dr Stephen McVitie

0SFH PHYSICS WITH ASTROPHYSICS 4M (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons 2.00-5.00 pm. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

Requirements of entry: Grade A-D pass at 3M Physics with Astrophysics (single) at May/June examination diet.

Assessment: 75 minute written paper per lecture course component (8) (88.9%); assessment of physics MSci laboratory (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; Mathematical Methods 2; Plasma Theory and Diagnostics OR General Relativity and Gravitation; Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology; M-laboratory.

Course Co-ordinator: Dr Stephen McVitie

400G ASTRONOMY 4H (COMBINED) B.Sc

(See: 400F ASTRONOMY 3H (COMBINED) B.Sc)

0SBG ASTRONOMY 4M (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Wednesday and Friday afternoons 2.00-5.00pm. Plus others meetings at times to be arranged.

Requirements of entry: Grade A-D passes at 3M Astronomy (joint) plus other Subject at May/June examination diet.

Assessment: 75 minute written paper per lecture course component (4.5) (100%)

Aims: (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Mathematical Methods 2. Stellar Structure and Evolution AND High Energy Astrophysics AND Plasma Theory and Diagnostics OR Instruments for Optical and Radio Astronomy AND Cosmology AND General Relativity and Gravitation; 1 option from Galaxies OR Circumstellar Matter, or 1 option from Astronomical Data Analysis OR Exploring Planetary Systems.

Course Co-ordinator: Prof John Brown

0SEG ASTRONOMY 4M* (JOINT)

Credits: 80 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Wednesday and Friday afternoons 2.00-5.00pm.

Requirements of entry: Grade A-D passes at 3M* Astronomy (joint) plus other Subject at May/June examination diet.

Assessment: Degree assessment for Astronomy contribution: 75 minute written paper per lecture course component (4.5 in 3M*, 6 in 4M*), (77.7%); assessment of 3M laboratory (5.6%); 3M seminar project (5.6%); M project (11.1%).

Aims: (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: EITHER Stellar Structure and Evolution; High Energy Astrophysics; Galaxies; Circumstellar Matter; Plasma Theory and Diagnostics; Pulsars and Supernovae, OR Instruments for Optical and Radio Astronomy; Cosmology; Astronomical Data Analysis; Exploring Planetary Systems; General Relativity and Gravitation; Statistical Astronomy.

Course Co-ordinator: Prof John Brown

0SCG ASTRONOMY 5M (JOINT)

Credits: 40 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Wednesday and Friday afternoons 2.00-5.00pm.

Requirements of entry: Grade A-D passes at 4M Astronomy (Joint) plus other Subject at May/June examination diet.

Assessment: Degree assessment for Astronomy contribution: 75 minute written paper per lecture course component (3 in 3M, 4.5 in 4M, 3 in 5M), (77.7%); assessment of 3M laboratory (5.6%); 3M seminar project (5.6%); M project (11.1%).

Aims: (1) To present an in-depth integrated course of study providing students with knowledge and understanding of the astrophysical universe, and of the methods and principles of astrophysical enquiry; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments of aspects of modern astrophysics; (4) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (5) To develop the student's problem solving ability, communication and presentation skills to a level appropriate to an academic, research or industrial career; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Plasma Theory and Diagnostics AND Pulsars and Supernovae OR General Relativity and Gravitation AND Statistical Astronomy; 1 option from Galaxies, Circumstellar Matter, Astronomical Data Analysis, Exploring Planetary Systems.

Course Co-ordinator: Prof John Brown

447G PHYSICS 4H (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

Requirements of entry: Grade A-D passes in 3H Physics and combined honours subject at the preceding May/June examination diet.

Assessment: Degree assessment for Physics contribution: 75 minute written paper per lecture course component (3 in 3H, 4 in 4H) (75.0%); assessment of 3H laboratory/IT skills (16.7%); 4H project (8.3%).

Degree Examination taken in: May/June

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group, the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

Honours Course Prescription: Electromagnetism 1; two from the following: Solid State; Nuclear and Particle Physics; Atomic Systems; 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Dr Ian MacGregor

447J PHYSICS 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. Project: 100 hours as arranged, Semester 1.

Requirements of entry: Grade A-D pass at 3H Physics(single) at May/June examination diet.

Assessment: Degree assessment: 75 minute written paper per lecture course component (6 in 3H, 8 in 4H) plus problem paper (75.0%); assessment of 3H laboratory/IT skills (8.33%); 3H group project (8.33%); 4H project (8.33%).

Degree Examination taken in: May/June

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications; (3) To provide training in the principles and practice of physical measurement techniques and scientific data analysis, and give the opportunity for the student to apply these in performing an extended project; (4) To develop the student's transferable skills, concentrating on work in a group (single honours students), the writing of reports on group and individual project work, and in verbal communication of such results; (5) To develop the students' ability to work effectively and to reinforce their individual responsibility for their own learning.

Honours Course Prescription: Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; and 4 options from the list below. Options: Numer-

ical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Ian MacGregor

0SUG PHYSICS 4M (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

Requirements of entry: Grade A-D passes at 3M Physics (combined) plus combined subject at May/June examination diet.

Assessment: 75 minute written paper per lecture course component (4.5) (100%)

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Electromagnetism 1; Mathematical Methods 2. Two from list: Solid State; Nuclear and Particle Physics; Atomic Systems. 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. (Some options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Dr Ian MacGregor

0RUJ PHYSICS 4M (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional courses at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

Requirements of entry: Grade A-D pass at 3M Physics (single) at May/June examination diet.

Assessment: 75 minute written paper per lecture course component (8) (88.9%); assessment of physics MSci laboratory (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; Mathematical Methods 2; 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; M-laboratory. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Ian MacGregor

0SXG PHYSICS 4M* (COMBINED)

Credits: 80 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

Requirements of entry: Grade A-D passes at 3M* Physics (combined) and combined subject at May/June examination diet.

Assessment: Degree assessment for Physics contribution: 75 minute written paper per lecture course component (4.5 in 3M*, 6 in 4M*) plus problem paper (77.8%); assessment of 3M laboratory/IT skills (11.1%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students

the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: 2 options from the list: Solid State; Nuclear and Particle Physics; Atomic Systems; 2 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Ian MacGregor

0RVJ PHYSICS 4M* (SINGLE)

Credits: 160 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged. M-laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

Requirements of entry: Grade A-D pass at 3M* Physics (single) at May/June examination diet.

Assessment: Degree assessment: 75 minute written paper per lecture course component (9 in 3M*, 12 in 4M*) plus problem paper (77.7%); assessment of 3M* laboratory/IT skills (5.6%); 3M* group project (5.6%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Solid State; Nuclear and Particle Physics; Atomic Systems; 4 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 5 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics; M-laboratory. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Ian MacGregor

0SVG PHYSICS 5M (COMBINED)

Credits: 40 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

Requirements of entry: Grade A-D passes at 4M Physics (combined) and combined subject at May/June examination diet.

Assessment: Degree assessment for Physics contribution: 75 minute written paper per lecture course component (3 in 3M, 5 in 4M, 3 in 5M) plus problem paper (77.8%); assessment of 3M laboratory/IT skills (11.1%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: 1 option from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Ian MacGregor

0RWJ PHYSICS 5M (SINGLE)

Credits: 80 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Additional meetings at times to be arranged.

Requirements of entry: Grade A-D pass at 4M Physics (single) at May/June examination diet.

Assessment: Degree assessment: 75 minute written paper per lecture course component (6 in 3M, 8 in 4M, 6 in 5M) plus problem paper (74.0%); assessment of 3M laboratory/IT skills (5.6%); 3M group project (5.6%); M laboratory (3.7%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Astronomy 1; Astronomy 2; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics; 4 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. (Some options have prerequisite core courses - refer to Course Guide)

Course Co-ordinator: Dr Ian MacGregor

0RRJ PHYSICS WITH ASTROPHYSICS 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons. Additional meetings at times to be arranged. Physics project: 50 hours as arranged, semester 2. Astronomy laboratory: Selected Mondays 12.30 pm-5.30 pm.

Requirements of entry: Grade A-D pass at 3H Physics with Astrophysics at May/June examination diet.

Assessment: Degree assessment: 75 minute written paper per lecture course component (6 in 3H, 8 in 4H) plus problem paper (75.0%); assessment of 3H laboratory/IT skills (8.33%); astronomy laboratory (8.33%); 3H seminar project (4.17%); 4H project (4.17%).

Aims: (1) To present an integrated course of study which provides the student with knowledge and understanding of key principles and methods of modern physics; (2) To illustrate the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of topics relevant to current developments in physics and its applications and modern astronomy; (4) To provide training in the principles and practice of physical measurement techniques, astronomical observation and scientific data analysis, and give the opportunity for the student to apply these in performing extended project work; (5) To develop the students' ability to work effectively, singly and in small groups, to reinforce their individual responsibility for their own learning and understanding and to develop further their communication skills.

Honours Course Prescription: Solid State; Nuclear and Particle Physics; Atomic Systems; Electromagnetism 1; and 2 options from the list below. Options: Numerical Methods; Modern Optics; Medical Imaging; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. Plus EITHER Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology. (Some physics options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Dr Ian MacGregor

0SJJ PHYSICS WITH ASTROPHYSICS 4M* (SINGLE)

Credits: 160 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons 2.00-5.00 pm. Additional meetings at times to be arranged. Physics laboratory: Tuesday and Thursday 11 am-5 pm; attend Semester 2.

Requirements of entry: Grade A-D pass at 3M* Physics with Astrophysics (single) at May/June examination diet.

Assessment: Degree assessment: 75 minute written paper per lecture course component (9 in 3M*, 12 in 4M*) plus problem paper (77.7%); assessment of 3M* laboratory/IT skills (5.6%); astronomy laboratory (2.8%); 3M* seminar project (2.8%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Solid State; Nuclear and Particle Physics; Atomic Systems. 2 options from the list: Numerical Methods; Modern Optics; Medical

Imaging; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. 3 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics; M-laboratory. Stellar Structure and Evolution AND High Energy Astrophysics OR Instruments for Optical and Radio Astronomy AND Cosmology. Plasma Theory and Diagnostics OR General Relativity and Gravitation. 1 option from the list: Galaxies; Circumstellar Matter; Astronomical Data Analysis; Exploring Planetary Systems. (Some options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Dr Ian MacGregor

0SGJ PHYSICS WITH ASTROPHYSICS 5M (SINGLE)

Credits: 80 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Monday 10 am and 11 am, Tuesday-Friday 10 am. Wednesday and Friday afternoons 2.00-5.00 pm. Additional meetings at times to be arranged.

Requirements of entry: Grade A-D pass at 4M Physics with Astrophysics (single) at May/June examination diet.

Assessment: Degree assessment: 75 minute written paper per lecture course component (6 in 3M, 8 in 4M, 6 in 5M) plus problem paper (74.0%); assessment of 3M laboratory/IT skills (5.6%); astronomy laboratory (2.8%); 3H seminar project (2.8%); M laboratory (3.7%); M project (11.1%).

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To develop the student's competence in the application of methods of mathematics and physics in an astrophysical context; (3) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astrophysics; (4) To provide training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (5) To develop measurement, problem solving and critical assessment, and communication skills and apply them in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively as individuals and in small groups, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: 2 options from the list: Numerical Methods; Modern Optics; Medical Imaging; Magnetism and Superconductivity; Semiconductor Physics and Devices; Electronic Signal Transmission; Particle Physics; Nuclear Physics. 2 options from the list: Advanced Quantum Mechanics; Electromagnetism 2; Statistical Mechanics; Imaging and Microanalysis; Dynamics and Relativity; Detectors for Nuclear and Particle Physics. 1 option from the list: Galaxies; Circumstellar Matter; Astronomical Data Analysis; Exploring Planetary Systems. 1 option from Plasma Theory and Diagnostics; General Relativity and Gravitation. (Some options have prerequisite core courses - refer to Course Guide).

Course Co-ordinator: Prof John Brown

0RXJ PHYSICS/ASTRONOMY M PROJECT

Credits: 40 *Level:* 4

When Taught: Full Session (September - June)

Timetable: At times to be arranged with supervisors.

Requirements of entry: Grade A-D pass at 3M* or 4M Physics or related course(s) at May/June examination diet.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To present an integrated course of study which describes, analyses and relates the principles of modern physics at a level appropriate for a professional physicist; (2) To provide the opportunity to study in depth a choice of advanced treatments and applications of aspects of modern physics and astronomy; (3) To provide further training and experience in the principles and practice of physical measurement techniques, using advanced instrumentation where appropriate, and in the critical analysis of experimental data; (4) To develop problem solving abilities, critical assessment and communication skills, to a level appropriate for a career of leadership in academia or industry, and to give students the experience of group work; (5) To offer the opportunity to apply measurement, problem solving and critical assessment, and communication skills in performing and writing a report on an extended and demanding project; (6) To encourage students to work effectively, to develop a professional attitude to what they do and to take full responsibility for their own learning.

Honours Course Prescription: Project comprises technical essay, project work, report and poster presentation.

Course Co-ordinator: Dr Paul Soler

Politics

205B POLITICS 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Daily - 1.00 pm; weekly tutorials

Assessment: Two 2-hour papers (70%); Coursework (30%); No exemption.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The general aim of the course is to provide a broad introduction to the study of politics. This is done by focusing on political institutions, behaviour and theory. The organisation of the course in lectures, tutorials and assessment divides normative theory from institutions and behaviour.

Course Co-ordinator: Dr Paul Graham

0QHV POLITICS 2A: HISTORY OF POLITICAL THOUGHT

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures: Tuesday, Wednesday, Thursday, 9-10am. Tutorials: Wednesday 1-2pm, 2-3pm; Thursday 12-1pm, 1-2pm, 3-4pm; Friday 11-12pm, 12-1pm.

Requirements of entry: Grade D or better in Politics 1A and Politics 1B.

Assessment: Final Examination (60%) Best of 2 essays (30%) Tutorial Performance (10%)

Aims: To deal with the development of the vocabulary, concepts and issues in political thinking from textual analysis of canonical texts.

Course Co-ordinator: Prof Christopher Berry

0QFV POLITICS 2B: INTERNATIONAL RELATIONS

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Tuesday, Wednesday, Thursday, 9-10am. Tutorials: Wednesday 1-2pm, 2-3pm; Thursday 12-1pm, 1-2pm, 3-4pm; Friday 11-12pm, 12-1pm.

Requirements of entry: Grade D or better in Politics 1A and Politics 1B.

Assessment: Final Examination (60%) Best of 2 essays (30%) Tutorial Performance (10%)

Aims: ·To examine critically different approaches to understanding international relations. ·To identify the most important actors in international politics. ·To identify the most important international institutions framing international politics. ·To explore the most pressing problems confronting international politics today.

Course Co-ordinator: Dr Alasdair Young

0QLW ISSUES IN DEMOCRACY AND GOVERNMENT IN SCOTLAND

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures: Wednesday 2-3 pm Seminars: Thursday 11 am - 1 pm

Requirements of entry: Normally Grade D or better in Politics 2A and 2B.

Assessment: 1. Class essay (1) - Term 1, Week 10; Class essay (2) - Term 2, Week 10; The better of these two essays will count for 30%. 2. Extended essay - End April/early May = 30%. 3. Degree examination - May/June = 30%. 4. Seminar contribution = 10%.

Aims: To deliver a course which: –builds upon and develops the substantive material taught in Politics at Levels 1 and 2 by focusing on the specific themes of democracy and of government in Scotland; –is analytic and reflective in nature; –explores concepts and models in democracy in the context of government in Scotland; –is strongly collaborative, delivered by a teaching team utilising the research strengths of the Department and augmented by visiting external speakers.

Course Co-ordinator: Dr Kevin Francis

9KSW POLITICS 3: ASPECTS OF COMPARATIVE AND INTERNATIONAL POLITICS

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Students attend the Honours lectures in Comparative and International Politics on Tuesdays and Thursdays 2-3pm, and a one hour tutorial each week (normally Tuesdays 3-4pm).

Requirements of entry: Grade D or better in both Politics 2A and 2B.

Assessment: The summative assessment is designed to give all students a chance to display their range of academic abilities. The assessment thus has several components: (i) Two class essays: each of 2,000 words, the first on material from the first two sections of the class, the second on material from the second two sections of the class. The combined mark will account for thirty per cent of the final mark. (ii) A project or extended essay: of 3,500 words, the topic of which is to be agreed with the tutor in advance. The mark for this will account for thirty per cent of the final mark. (iii) The degree examination: one paper covering material from all four sections of the class and requiring students to attempt two questions in two hours. The mark for this will account for thirty per cent of the final mark. (iv) Oral presentations & tutorial participation: students will be assessed by their tutor on their contributions to the class throughout the year. Students will receive feedback during the year from the tutor as to the standard of their tutorial presentations and contribution to the general discussions. This will account for ten percent of the final mark.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to introduce students to the concepts and methods of comparative analysis, with specific attention devoted to some of the central debates and problems raised in the study of politics and states in a comparative and international context. Students will be required to read books and journal articles and keep fully informed of contemporary events through press and television; to access internet sites; to present and discuss their material in essays and tutorial presentations and discussions; and to develop a detailed understanding in particular areas through their extended essay or project. Students will also be encouraged to work collaboratively with their colleagues.

Course Co-ordinator: Dr Kevin Francis

205F POLITICS 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 2.00 pm-3.00 pm daily; plus options.

Requirements of entry: Grade C in Politics 2A and Politics 2B. Discretion may be exercised in respect of other standards achieved in Politics 2A and 2B.

Assessment: 4 Papers to be taken in 4H year, but ONLY 3 within the Faculty of Law. Some Papers by 100% examination ONLY. The remainder: 75% Final Examination AND 25% Coursework.

Degree Examination taken in: May/June

Aims: See Politics 4H (Single)

Honours Course Prescription: Comparative and International Politics. One from: Analytical Political Theory; Ethics and Power in World Affairs; Feminist Thought and Political Theory; Global Worlds and Global Issues; Hegel and Marx; Political Investigation; The Child, the Family and the State; Utopianism. Any other two courses from those listed in Politics 4H (Single) or one plus Dissertation.

Course Co-ordinator: Dr Patricia Hogwood

205H POLITICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 2.00 pm-3.00 pm daily; plus options.

Requirements of entry: Grade C in Politics 2A and Politics 2B. Discretion may be exercised in respect of other standards achieved in Politics 2A and Politics 2B.

Assessment: 8 Papers to be taken in 4H year, but ONLY 3 within the Faculty of Law. Some Papers by 100% examination ONLY. The remainder: 75% Final Examination AND 25% Coursework.

Degree Examination taken in: May/June

Aims: The course aims to provide a rigorous and wide ranging education in the study of politics in both its empirical or scientific, and its normative or philosophical aspects. The course is designed to include an essential core and a structure which balances the empirical and theoretical aspects of the discipline. The course equally aims to allow students a wide choice of options offering different approaches to their subject area and a variety of teaching methods. The diversity of options available allows students to benefit both from the specialised knowledge of staff in areas where they have made a particular research contribution, and from teaching methods which are tailored to the particular aims and objectives of the options studied.

Honours Course Prescription: Comparative and International Politics; Political Investigation. One from Government and Politics of the US; Communist and Post-Communist Politics; Nationalism; Elections and Voters; Politics of Latin America; Scottish Politics; Europe after the Cold War; Globalisation and Public Policy; Media and Politics; Institutions, Ideology and Power; Politics of the Asian Pacific; Environmental Politics. One from Analytical Political Theory; Feminist Thought and Political Theory; Global Worlds and Global Issues; Hegel and Marx; the Child, the Family and the State; Four from any of the above, or three plus a Dissertation.

Course Co-ordinator: Dr Patricia Hogwood

205G POLITICS 4H (JOINT)

(See: 205F POLITICS 3H (JOINT))

205J POLITICS 4H (SINGLE)

(See: 205H POLITICS 3H (SINGLE))

Psychology

8ZTU PSYCHOLOGY 1A: BIOLOGICAL AND EXPERIMENTAL

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures weekly Monday, Tuesday, Wednesday 9 am and 5 pm. Weekly tutorials and laboratories by arrangement.

Requirements of entry: Entry to the class is guaranteed to new university entrants who put the UCAS Psychology code on their UCAS form as part of their application to Glasgow University and who firmly accepted an unconditional offer or a confirmed conditional offer of a place to study Psychology either single or joint honours. The Department refers to such students as having an UCAS/Psychology code and as being a Potential Honours Psychology (PHP) student. All other students or returning students may have to enter a ballot for the remaining places up to a class limit of 600.

Co-requisites: Psychology 1B is a co-requisite for this course

Assessment: 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 2 hours and is comprised of one essay and 50 multiple choice questions. It will take place at the completion of the course in week 13.

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: The aim is to introduce students to core material in the area of biological, cognitive and experimental Psychology broadly defined, including exposure to the conduct of experimentation, data gathering and analysis. The course also teaches practical skills involved with experiments on human subjects. Communication skills are also encouraged by means of regular tutorials. Although the lectures form part of a programme which would produce an Honours graduate with the Graduate Basis of registration for the BPS, the course is intended for students who wish to exit after week twelve and still gain credits for the work they have performed. It would also serve as an introduction to the field for students taking the course as part of the general degree or as an outside subject in another honours programme.

Course Co-ordinator: Prof Patrick O'Donnell

8ZWU PSYCHOLOGY 1B: SOCIAL, DEVELOPMENTAL AND INDIVIDUAL DIFFERENCES

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures weekly Monday, Tuesday, Wednesday 9 am and 5 pm. Weekly tutorials and laboratories by arrangement.

Requirements of entry: At least a pass in Psychology 1A. Entry to the class is guaranteed to new university entrants who put the UCAS Psychology code on their UCAS form as part of their application to Glasgow University and who firmly accepted an unconditional offer or a confirmed conditional offer of a place to study Psychology either single or joint honours. The Department refers to such students as having an UCAS/Psychology code and as being a Potential Honours Psychology (PHP) student. All other students or returning students may have to enter a ballot for the remaining places up to a class limit of 600.

Co-requisites: Normally Psychology 1A

Assessment: 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 2 hours and is comprised of one essay and 50 multiple choice questions. It will take place at the completion of the course.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim is to introduce students to core material in the area of social and developmental psychology and individual differences.The course also teaches practical skills involved with experiments on human subjects. Communication skills are also encouraged by means of regular tutorials. Although the lectures form part of a programme which would produce an Honours graduate with the Graduate Basis of registration for the BPS, together with Psychology 1A it would also serve as an introduction to the field for students taking the course as part of the general degree or as an outside subject in another honours programme. The course is restricted to students who have completed Psychology 1A at grade D or above.

Course Co-ordinator: Prof Patrick O'Donnell

8ZXV PSYCHOLOGY 2A: BIOLOGICAL, COGNITIVE AND EXPERIMENTAL

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures weekly Monday, Tuesday, Wednesday, Thursday 10 a.m. Weekly tutorials and laboratories by arrangement.

Requirements of entry: To be guaranteed entry to the class a pass in Psychology 1A and 1B at grade B or above is required. In addition students must be categorised as a Potential Honours Pathway (PHP) student under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology, and having accepted this offer and been admitted to the university for study under this rubric. Other students may have to be chosen by ballot.

Co-requisites: Psychology 2B is a co-requisite for this course

Assessment: 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 3 hours and is comprised of four essays. It will take place at the completion of the course in week 13.

Degree Examination taken in: January

Resit Examination taken in: May/June

Aims: The aim is to broaden and, especially, to deepen knowledge of the subject area by building on the foundations laid in Psychology 1. Also the aim is to develop the student's knowledge of core material in the area of biological, cognitive and experimental Psychology broadly defined, including exposure to the conduct of experimentation, data gathering and analysis. To provide an introduction to the main areas of research in human memory, problem solving and knowledge representation. To show how biological theory and methodology contribute to the study of psychology. By focusing on psychobiological methodology to show how study of underlying biological mechanisms can enrich our understanding of psychological processes such as learning and memory, language and consciousness, and circadian rhythms. To provide a general introduction the methods used in psychological research and to illustrate a wide range of experimental designs. To cover the large spectrum of classical perceptual phenomena, to introduce the main stages of visual processing from the retina to the visual cortex, to compare visual, auditory and haptic perception. The course also teaches practical skills involved with experiments on human subjects. Communication skills are also encouraged by means of regular tutorials. Team work is encouraged by means of a group project. Although the lectures form part of a programme which would produce an Honours graduate with the Graduate Basis of registration for the BPS, the course is intended for students who wish to exit after week twelve and still gain credits for the work they have performed. It would also serve as an extension of knowledge in the field for students taking the course as part of the general degree or as an outside subject in another honours programme.

Course Co-ordinator: Dr Richard Dafters

8ZYV PSYCHOLOGY 2B: SOCIAL, DEVELOPMENTAL, AND APPLIED

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Second half of session. Lectures weekly Monday, Tuesday, Wednesday, Thursday 10 a.m. Weekly tutorials and laboratories by arrangement.

Requirements of entry: To be guaranteed entry to the class, students must have a pass in Psychology 1A and 1B and 2A at grade B or above. In addition students must be categorised as a Potential Honours Pathway (PHP) student under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology, and having accepted this offer and been admitted to the university for study under this rubric. Other students may have to be chosen by ballot.

Co-requisites: Normally Psychology 2A

Assessment: 1 essay (25%), 1 laboratory portfolio (25%), 1 degree exam 50%. The degree exam will last 3 hours and is comprised of four essays. It will take place at the completion of the course.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim is to broaden and, especially, to deepen knowledge of the subject area by building on the foundations laid in Psychology 1. Also the aim is to develop the student's knowledge of core material in the area of social, developmental, individual differences and applied Psychology broadly defined, including exposure to the conduct of experimentation, data gathering and analysis. To provide undergraduates with an understanding of the practical contributions psychology can make and some of the psychological research and theories upon which these contributions are made. To provide a review of the developmental changes during the first two years of life and it presents the most relevant research and theories in this field. To provide a coverage of the main areas individual differences including the statistical basis for theory in the field. To provide an overview of current and classic research and theory in four major areas of Social Psychology: Conformity, Persuasion, Aggression and Prejudice. To provide via the laboratory experience both a demonstration of psychological phenomena and instruction in practical skills involved with experiments on human subjects data analysis and report writing skills. The course also teaches practical skills involved with experiments on human subjects. Communication skills are also encouraged by means of regular tutorials. Team work is encouraged by means of a group project. Although the lectures form part of a programme which would produce an Honours graduate with the Graduate Basis of registration for the BPS, the course is intended for students who wish to exit after week twelve and still gain credits for the work they have performed. It would also serve as an extension of knowledge in the field for students taking the course as part of the general degree or as an outside subject in another honours programme.

Course Co-ordinator: Dr Richard Dafters

8ULW PSYCHOLOGICAL STUDIES 3

Credits: 80 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Semester 1: Tues 1-2, Wed 11-1, Thurs 12-1 Semester 2: Wed 11-2, Thurs 12-1, Fri 12-1 Both semesters, tutorials and projects by arrangement

Requirements of entry: At least a pass in Psychology 2A and 2B. In addition, students must be categorised as a Potential Honours Pathway (PHP) Science Faculty student under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology by the Faculty of Science, and having accepted this offer and been admitted to the university for study under this rubric.

Assessment: The end of session exam makes up 50% of the assessment. The dissertation comprises 30%, the four essays and the career skills portfolio comprise a total of 20%. (4% each).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a sound knowledge and critical understanding and awareness of theory and practice in some of the major areas of psychology. To develop conceptual, analytic and practical skills relevant to pursuing a career within the broad framework of psychology, or in related disciplines. To develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environments. To provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness.

Course Co-ordinator: Dr Paul Bishop

206F PSYCHOLOGY 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Timetable in Psychology involves lectures at Mondays 1-2, Tuesdays 1-2, Wednesdays 11-1p.m., Thursdays 12-1 and Fridays 12-1 Labs and projects are by arrangement. For the timetable requirements of the other department in the combination see their relevant entry.

Requirements of entry: For prerequisites for Psychology see the prerequisites for Single Honours. For the requirements of the other department in the combination see their relevant entry.

Assessment: For the Psychology component (50% of total): Two 3-hour degree examinations (25% each)

Degree Examination taken in: May/June

Aims: To provide a Joint Honours degree in Psychology, which satisfies the British Psychological Society's requirements for recognition of the course as supporting Graduate membership for the student, by ensuring coverage of material specified by that accreditation body. Within this overall aim: to provide a sound knowledge and critical understanding and awareness of theory and practice in the major areas of psychology; to develop specialist conceptual, analytic and practical skills relevant to pursuing a career in professional or academic psychology, or in related disciplines; to develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environments; to provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness; to develop enquiring, problem-oriented minds with sufficient awareness of the critical research and applications issues in psychology to enable successful pursuit of postgraduate work in psychology and related disciplines.

Honours Course Prescription: Subjects will be taken over two years, with exams probably in May/June of year 1 and May/June of year 2 as specified for the papers in Single Honours. The subjects (courses) to be taken are: Year 1: Cognitive + Comparative Learning & Cognition + Statistics and Human Development + Individual Differences + Social Psychology Year 2:

Physiological Psychology + Perception + Professional Skills and the Level 4H Maxi Project. For the requirements of the other department in the combination see their relevant entry.

Course Co-ordinator: Dr Ian Bushnell

206H PSYCHOLOGY 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Psychology 3H Monday and Tuesday at 1.00 pm; Wednesday at 11.00 am; Thursday and Friday at 12.00 noon. All weekly laboratories by arrangement. Psychology 4H various.

Requirements of entry: At least a B pass in Psychology 1A and 1B, and 2A and 2B, and at least a pass in Statistics 1C or equivalent. Students must also be categorised as a Potential Honours student (PHP) under the normal restriction for Psychology honours entry. This involves having applied through UCAS for a single, principal subject or combined honours degree in Psychology, having received an offer to study Psychology, and having accepted this offer and been admitted to the university for study under this rubric.

Assessment: Two part finals. Three papers taken in 3H year 37.5% (12.5% each); three papers taken in June of 4H year 37.5% (12.5% each); practical taken in 4H year, along with critical review and mini project marks (12.5%), maxi project taken in 4H year (12.5%) and possible oral.

Degree Examination taken in: May/June

Aims: To provide a sound knowledge and critical understanding and awareness of theory and practice in the major areas of Psychology; to develop specialist conceptual, analytic and practical skills relevant to pursuing a career in professional or academic Psychology, or in related disciplines; to develop generic (transferable) intellectual and practical skills which are easily adaptable to the needs of the labour market, particularly those relating to communication, presentation, quantitative methods, and to good teamwork in problem-solving environments; to provide an environment for the development of initiative, self-reliance, and critical ability from a solid foundation of knowledge, understanding and critical awareness; to develop enquiring, problem-oriented minds with sufficient awareness of the critical research and applications issues in Psychology to enable successful pursuit of postgraduate work in Psychology and related disciplines; to ensure coverage of material to satisfy the requirements of the accreditation body, the British Psychological Society for recognition of the course as supporting Graduate Membership for the student.

Honours Course Prescription: 3H year: Cognitive Psychology; Comparative Learning and Cognition; Human Development; Perception; Personality; Physiological Psychology; Professional Skills; Social Psychology; Statistics. 2 Mini-projects, 2 Critical reviews

Course Co-ordinator: Dr Ian Bushnell

206J PSYCHOLOGY 4H (SINGLE)

(See: 206H PSYCHOLOGY 3H (SINGLE))

206G PSYCHOLOGY 4H COMBINED

(See: 206F PSYCHOLOGY 3H (COMBINED))

Public Policy (taught within the Department of Urban Studies)

9AUU PUBLIC POLICY 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Tuesday, Wednesday, Thursday - 10.00 am-11.00 am; tutorials to be arranged Tuesday to Thursday weekly during Semesters 1 and 2.

Requirements of entry: The course is open to all undergraduates of the University.

Assessment: Two 2000 word essays (40%) and one 3-hour examination (60%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Level 1 is an introductory course that will provide the opportunity to study the evolution and present operation of the British Welfare State. The focal point of the course is the famous Beveridge report that identified the 'Five Giants' of Want, Disease, Squalor, Ignorance and Idleness. The course examines the social policies and services that were created to eradicate these Giants and assess the extent to which the Giants are still with us. The currently popular concept of social exclusion will then be examined. This will be followed by a study of social issues that include: juvenile delinquency, disability, family failure, child abuse and child protection. The course then concludes with a study of the spatial concentration of social problems, for example in 'problem' estates.

Course Co-ordinator: Dr Susan Deeley

9ATV PUBLIC POLICY 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Tuesday, Wednesday, Thursday - 12.00 noon-1.00 pm. Tutorials will be weekly in the first and second terms with three in the third term (17 in total)

Requirements of entry: Attainment of Grade D in Level 1 Public Policy will be the usual requirement of entry to this course.

Assessment: Students will be required to complete two essays of 2500 words and answer three questions in an unseen exam. The end of course examination lasts for three hours, in which time students are required to answer 3 unseen questions.

Aims: The aims of the course are: (1) present and explain a number of ideological perspectives on the provision of welfare to citizens; (2) to introduce concepts and principles used in deciding the level and methods of delivery of welfare; (3) develop knowledge of the

mixed economy of welfare including the roles of different providers. (4) to introduce the economic analysis and financing of the welfare state. (5) to outline several models of the policy process and tools of policy analysis.

Course Co-ordinator: Dr Linda Bauld

9RTW PUBLIC POLICY 3: POLITICAL ECONOMY OF WELFARE

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly classes for 20 two hour sessions - time and day unknown.

Requirements of entry: 'D' in Public Policy 2

Assessment: Students must submit an report of 3,000 words and sit an unseen exam (3 hours).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course will provide non-honours students with a rich applied public policy course that uses tools and methods derived from a wide body of applied economics and social policy in order to examine the delivery of welfare in the UK.

Course Co-ordinator: Mr Kenneth Gibb

89HC PUBLIC POLICY 3: SOCIAL RESEARCH AND INVESTIGATION

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: One hour lecture followed by a one hour seminar. Weekly, semesters 1 and 2.

Requirements of entry: Grade D in Social Policy 2.

Assessment: Assessment for this option is by means of two written assignments and a two-hour examination. For non-honours students the first assignment will comprise a research proposal based on materials and a topic selected by the course convenor (for example, disability and homeownership or social exclusion and unemployment). The second assignment will consist of a critical appreciation of a brief research report selected by the course convenor. Word length 1,500 to 2,000 words each.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to: - introduce students to the range of research methods and approaches used in the investigation of social policy issues; - provide guidance in the use of transferable research skills;

Course Co-ordinator: Dr Rowland Atkinson

0RGF PUBLIC POLICY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Times variable. Teaching by means of lectures, tutorials and project work.

Requirements of entry: For entry to honours the award of grade D or better in Public Policy Levels 1 and 2 will be required. Faculty requirements will also need to be met. Students should have obtained four Level 1 and two Level 2 awards at grade D or above, of which four, including one Level 2, should be Social Sciences Group A subjects. Entry to honours will be guaranteed for students who obtain a pass at Bands A, B or C (i.e. 55% or over) at Public Policy Level 2. Students not meeting the requirement for automatic entry may be granted admission if the Departments consider that their previous performance offers a reasonable prospect of their reaching the standard requirement in honours.

Assessment: Assessment for each option is by means of one 3 hour examination (60%) and two 3000-3500 word essays (40%). There is a compulsory dissertation for Single Honours students (7,500-10,000 words) which counts as an option.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The general aims of the Department's honours teaching are: 1) to build upon the general introduction to Social Policy provided in the First and Second level classes by providing an in-depth analysis of particular areas, 2) to stimulate students' awareness of the theoretical and policy issues which underpin and are common to both social and urban policy; 3) to develop a range of transferable skills, particularly in relation to communication (written and oral) and the collection and analysis of information.

Honours Course Prescription: Honours options vary from year to year but are drawn from the list below: Children & Social Policy; Criminal Justice; Disability and Society; Health Policy & Health Services; Housing Policy; Ideologies, Values & Social Policy; International Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Research Methods; Social Security Policy; Urban Policy; Violence & The Family; Dissertation.

Course Co-ordinator: Mr Mark Stephens

0REH PUBLIC POLICY 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Two hourly teaching sessions are held on a weekly basis at times determined by individual course convenors.

Requirements of entry: For entry to single honours the award of grade D or above in Public Policy Levels 1 and 2 will be required. Faculty requirements will also need to be completed.

Assessment: Summative assessment for each honours course is: a 3 hour unseen examination (60%) and two assignments of 3000-3500 words (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to: build upon the general introduction to Social and Urban Policy provided in Levels 1 and 2 by providing an in-depth analysis of particular areas; to stimulate student's awareness of the theoretical and policy issues which underpin and are common to both social and urban policy; to develop a range of

transferable skills, particularly in relation to communication (written and oral), and the collection and analysis of information.

Honours Course Prescription: International Social Policy, Research Methods and a Dissertation must be taken. Five other courses from the list below must be taken: Children & Social Policy; Criminal Justice; Disability & Society; Health Policy & Health Services; Housing Policy; Ideologies, Values & Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Urban Policy; Violence & the Family.

Course Co-ordinator: Mr Mark Stephens

0RHG PUBLIC POLICY 4H (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Times variable. Teaching by means of lectures, tutorials and project work.

Requirements of entry: For entry to honours the award of grade D or better in Public Policy Levels 1 and 2 will be required. Faculty requirements will also need to be met. Students should have obtained four Level 1 and two Level 2 awards at grade D or above, of which four, including one Level 2, should be Social Sciences Group A subjects. Entry to honours will be guaranteed for students who obtain a pass at Bands A, B or C (i.e. 55% or over) at Public Policy Level 2. Students not meeting the requirement for automatic entry may be granted admission if the Departments consider that their previous performance offers a reasonable prospect of their reaching the standard requirement in honours.

Assessment: Assessment for each option is by means of one 3 hour examination (60%) and two 3000-3500 word essays (40%). There is a compulsory dissertation for Single Honours students (7,500-10,000 words) which counts as an option.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The general aims of the Department's honours teaching are: 1) to build upon the general introduction to Social Policy provided in the First and Second level classes by providing an in-depth analysis of particular areas, 2) to stimulate students' awareness of the theoretical and policy issues which underpin and are common to both social and urban policy; 3) to develop a range of transferable skills, particularly in relation to communication (written and oral) and the collection and analysis of information.

Honours Course Prescription: Honours options vary from year to year but are drawn from the list below: Children & Social Policy; Criminal Justice; Disability and Society; Health Policy & Health Services; Housing Policy; Ideologies, Values & Social Policy; International Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Research Methods; Social Security Policy; Urban Policy; Violence & The Family; Dissertation.

Course Co-ordinator: Mr Mark Stephens

0RFJ PUBLIC POLICY 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Two hourly teaching sessions are held on a weekly basis at times determined by individual course convenors.

Requirements of entry: For entry to single honours the award of grade D or above in Public Policy Levels 1 and 2 will be required. Faculty requirements will also need to be completed.

Assessment: Summative assessment for each honours course is: a 3 hour unseen examination (60%) and two assignments of 3000-3500 words (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to: build upon the general introduction to Social and Urban Policy provided in Levels 1 and 2 by providing an in-depth analysis of particular areas; to stimulate student's awareness of the theoretical and policy issues which underpin and are common to both social and urban policy; to develop a range of transferable skills, particularly in relation to communication (written and oral), and the collection and analysis of information.

Honours Course Prescription: International Social Policy, Research Methods and a Dissertation must be taken. Five other courses from the list below must be taken: Children & Social Policy; Criminal Justice; Disability & Society; Health Policy & Health Services; Housing Policy; Ideologies, Values & Social Policy; Paying for Welfare: the Political Economy of the Welfare State; Urban Policy; Violence & the Family.

Course Co-ordinator: Mr Mark Stephens

School of Business and Management

7KLU BUSINESS AND MANAGEMENT 1A: INDIVIDUAL AND GROUP BEHAVIOUR IN ORGANISATIONS

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Course lectures scheduled three times per week, Tuesday, Wednesday and Thursday at 4.00 pm. Tutorial sessions held weekly from weeks 3-11 at various times convenient to the students.

Requirements of entry: Level 1

Co-requisites: Should be taken with B&M 1B to ensure potential progression to Honours.

Excluded Courses: Entrepreneurship 1A and 1B. Business and Management 1A and 1B cannot be taken in conjunction with more than two Level 2 Business and Management courses.

Assessment: A single one hour objective test, a 2,000 word essay assignment and a 2 hour end of course examination.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: (1) To provide an introduction to the study of human behaviour in organizations with little or no previous social science education. It is designed as an introduction to the field and a starting point for more advanced study; (2) to enable students to translate organizational behaviour theory, concepts and techniques into practice and work more effectively with the organizations which they are likely to encounter; (3) to stimulate debate by encouraging students to adopt a challenging, questioning perspective on organization behaviour research and ideas; (4) to make the subject matter of social science applied to organizations interesting and intelligible to students from a wide different educational and disciplinary backgrounds.

Course Co-ordinator: Dr Andrzej Huczynski

7KMU BUSINESS AND MANAGEMENT 1B: ORGANISATION STRUCTURES, PROCESS AND MANAGEMENT

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Course lectures scheduled three times per week, Tuesday, Wednesday and Thursday at 4.00 pm. Tutorial sessions held weekly from weeks 17-24 at various times convenient to the students.

Requirements of entry: Level 1

Co-requisites: Should be taken with B&M 1A to ensure potential progression to Honours.

Excluded Courses: Entrepreneurship 1A and 1B. Business and Management 1A and 1B cannot be taken in conjunction with more than two Level 2 Business and Management courses.

Assessment: A 2,000 word essay assignment and a 2 hour end of course examination

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To provide an introduction to the study of human behaviour in organizations with little or no previous social science education. It is designed as an introduction to the field and a starting point for more advanced study; (2) to enable students to translate organizational behaviour theory, concepts and techniques into practice and work more effectively with the organizations which they are likely to encounter; (3) to stimulate debate by encouraging students to adopt a challenging, questioning perspective on organization behaviour research and ideas; (4) to make the subject matter of social science applied to organizations interesting and intelligible to students from a wide different educational and disciplinary backgrounds. The course has 3 parts. The first part introduces students to the study of organisation structures. It begins with a historical introduction to traditional work design, considering the elements of structure, early forms of organizational design, before discussing the impact of corporate strategy. The second part considers organizational processes such as organisational development (OD), organisational change, organisation culture, and human resource management (HRM). The final part of the course looks at organisational management, examining leadership, decision-making, conflict, power and politics within organisations.

Course Co-ordinator: Dr Andrzej Huczynski

8USU ENTREPRENEURSHIP 1A, ENTREPRENEURSHIP AND INNOVATION

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Mondays, 1.00pm -2.00 pm (venue to be announced); Wednesdays, 12.00noon - 1.00 pm (venue to be announced); Thursdays, 12.00noon - 1.00 pm (venue to be announced).

Co-requisites: None

Excluded Courses: Professional Studies for Engineers and Managing Innovation (14A)

Assessment: 50% Essay 50% Exam

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The course is designed to help students become aware of the future needs of corporate bodies for employees capable of developing new skills and techniques to assist their changing requirements and for individual professional self-development. It emphasises the need for entrepreneurial and innovation skills. A focus of the course will be on practical innovation within the corporate environment, including both the commercial, public sector and non commercial organisations. This course is designed to introduce the concepts of business growth and entrepreneurial planning. The course is also designed to introduce students to the issues crucial to the development of an innovative managerial culture. The course will draw on the growing body of research and literature related to the development of an innovative culture.

Course Co-ordinator: Mr John Lewis

8UUU ENTREPRENEURSHIP 1B, ENTREPRENEURSHIP AND NEW BUSINESS

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Mondays 1.00-2.00 p.m., (Venue to be announced); Wednesdays, 12.00-1.00 p.m., (Venue to be announced); Thursdays, 12.00-1.00 p.m., (Venue to be announced)

Co-requisites: None

Excluded Courses: Business Planning for Scientists.

Assessment: 50% Project, 50% Exam.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is designed to introduce the concepts of business growth and entrepreneurial planning through the use of the business plan. The course is also designed to introduce students to the issues crucial to the development of smaller firms, the role and personality of the entrepreneur and the entrepreneurial team,

and the relationship of the smaller firm to its environment. It will also include the main functional areas of Business, Marketing, Operations, Finance and Organisation. The course will draw on the growing body of research and literature related to the development of smaller companies.

Course Co-ordinator: Mr John Lewis

9UUU MANAGEMENT 1 (B.ACC)

Credits: 12 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Monday and Wednesday 9-10 am.

Requirements of entry: 1st year compulsory course

Assessment: One 3-hour paper (75%); essay (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to the multidisplinary nature of modern management and to develop an initital sense of the major functions that contribute to competitive performance. By studying elements of strategy, marketing, operations management and organisational behaviour, participants will gain a sense of how accountants interact with other groupings within organisations.

Course Co-ordinator: Mr Andrew Muir

3MHU MANAGERIAL & ORGANISATIONAL CONTEXT E1

Credits: 10 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Wednesday, Thursday 10.00-11.00am, Semester 2

Requirements of entry: Service class for engineering

Assessment: Students must attend 3 class tests, each worth 25% of the final course mark. In addition, they must submit a 1,500 word assignment

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The applications of scientific research and theory are all around us. We see them in the cars we drive, the computers we use, the video and audio equipment we watch and listen to, the drugs we take when ill. The applications of social science tend to be less visible and most people would find it difficult to point to these. The aim of this course is to show how the research and theories of psychology, social psychology, sociology and politics have been applied by managers and management consultants in the form of techniques and approaches. It will demonstrate how, as future organisation members, students can use such knowledge to become more effective themselves, and to increase the effectiveness of others.

Course Co-ordinator: Dr Andrzej Huczynski

7KXV BUSINESS & MANAGEMENT LEVEL 2D FINANCE

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesday/Wednesday 2.00-3.00 p.m. 3 one hour tutorials to be arranged.

Requirements of entry: Business Management Level 1A and 1B at Grade 'D' or better and attained at either the first sitting or the first attempt and normally within one year of study. Second year students without Business & Management 1A and/or 1B, but with a Level 1 Social Science subject at grade 'C' or better may be admitted to a maximum of two level 2 courses.

Co-requisites: 2D should be taken with 2A, B and C to ensure potential progression to honours. BIBA students are exempt from level 2D/Financial Information Management.

Assessment: Examination (100%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce core areas of financial information management, giving attention to the application of key concepts and tools. The course will cover aspects such as the role of accounting within organisations, principles of accounting, analysis of financial statements (e.g. profit and loss accounts and balance sheets), and ratio analysis. It will also give consideration to costing methods and aspects of risk management.

Course Co-ordinator: Dr Andrew Johnston

7KRV BUSINESS AND MANAGEMENT LEVEL 2A STRATEGY

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Wednesday 2.00-3.00 p.m. 3 one hour tutorials to be arranged.

Requirements of entry: Business & Management Level 1A and 1B at Grade 'D' or better and attained at either the first sitting or the first resit attempt and normally within one year of study. Second year students without Business & Management 1A and/or 1B, but with a Level 1 Social Science subject at grade 'C' or better may be admitted to a maximum of two level 2 courses.

Co-requisites: 2A should be taken with 2B, C and D to ensure potential progression to honours. BIBA students are exempt from Level 2D/Financial Information Management.

Assessment: Examination (100%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce core areas of strategy and the competitive environment, giving attention to the application of key concepts and tools. The course will cover strategic analysis of the external environment (e.g. industry analysis) and the internal resources and capabilities of the firm. It will also explore aspects such as the nature of strategic decision making and strategy dynamics in differing contexts (e.g. public sector).

Course Co-ordinator: Dr Andrew Johnston

7KTV BUSINESS AND MANAGEMENT LEVEL 2B OPERATIONS MANAGEMENT

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Thursday, Friday 2.00-3.00 p.m. 3 one hour tutorial sessions to be arranged.

Requirements of entry: Business & Management Level 1A and 1B at Grade 'D' or better and attained at either the first sitting or the first resit attempt and normally within one year of study. Second year students without Business & Management 1A and/or 1B, but with a Level 1 Social Science subject at grade 'C' or better may be admitted to a maximum of two level 2 courses.

Co-requisites: 2B should be taken with 2A, C and D to ensure potential progress to honours. BIBA students are exempt from Level 2D/Financial Information Management.

Assessment: Examination (100%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce core areas of operations management, giving attention to the application of key concepts and tools. The course will cover aspects such as production planning, forecasting, quality management, the planning environment and process reengineering. It will also give consideration to the strategic significance of operations management within organisations.

Course Co-ordinator: Dr Andrew Johnston

7KWV BUSINESS AND MANAGEMENT LEVEL 2C MARKETING

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Thursday, Friday 2.00-3.00 p.m. 3 one hour tutorials to be arranged.

Requirements of entry: Business & Management Level 1A and 1B at Grade 'D' or better and attained at either the first sitting or the first resit attempt and normally within one year of study. Second year students without Business & Management 1A and/or 1B, but with a Level 1 Social Science subject at grade 'C' or better may be admitted to a maximum of two level 2 courses.

Co-requisites: 2C should be taken with 2A, B and D to ensure potential progress to honours. BIBA students are exempt from Level 2D/Financial Information Management.

Assessment: Examination (100%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce core areas of marketing, giving attention to the application of key concepts and tools. The course will cover aspects such as the marketing concept, the role of marketing, consumer behaviour, new product development and marketing communications. It will also look at issues in marketing research and give consideration to the marketing in a service environment.

Course Co-ordinator: Dr Andrew Johnston

89FB BUSINESS & MANAGEMENT 3: CASES IN OPERATIONS MANAGEMENT

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: one 2 hour session a week

Requirements of entry: Students should achieve a minimum of a 'D' grade in all four level 2 Business & Management courses. This course is only available to Faculty of Social Science students.

Co-requisites: None

Excluded Courses: None

Assessment: One three-hour exam. Topic-based questions with answers to draw on case studies that were provided for illustrative purposes during the course.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course will involve the study of generic principles involved in, and the detailed decisions to be made in, the design of appropriate operating systems. These principles and decisions will be reviewed in the context of various demand scenarios. The course will therefore involve consideration of the relationship of operating systems to the market in which an organisation operates, and in studying the resources required will also relate to human resource development aspects. Underpinning the course will be the need for organisational effectiveness and efficiency, linking operations to the financial aspects of business and management. A holistic view will thus be taken.

Course Co-ordinator: Dr Geoffrey Southern

89YJ BUSINESS & MANAGEMENT 3: MANAGING COMPLEX CHANGE

Credits: 15 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: one lecture 2 hours a week

Requirements of entry: Students should achieve a minimum of a "D" grade in four level 2 Business and Management courses. This course is only available to Faculty of Social Science students.

Co-requisites: None

Excluded Courses: None

Assessment: Students will be required to select an organisation of their choice and examine its approach to managing change. They will be expected to compare practice with selected theoretical models and explain which models would best suit the change situation in question.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to explore, from both an operational and tactical perspective, the context, nature and accomplishment of change in complex situations. It will accomplish this by addressing issues and processes associated with defining the nature and scope of change events and situations; examining vehicles capable of managing both processes and cultural change; and the

managerial and organisational competencies associated with successful change management. The course will provide appropriate frameworks and concepts, explore the nature and context of change, examine alternative change management approaches and philosophies and examine how best to implement predetermined change strategies

Course Co-ordinator: Prof Robert Paton

0QKW BUSINESS & MANAGEMENT 3: PROJECT MANAGEMENT

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Term 1, Friday 1.00 - 3.00 p.m.

Requirements of entry: Students should achieve a minimum of a "D" grade in all four level 2 Business and Management courses. This course is only available to Faculty of Social Science students.

Co-requisites: None

Excluded Courses: None

Assessment: The assignment is a set case study, to be done by individuals. The exam format is to consist of one mandatory question, with a selection then from a limited set.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims are to introduce the theory and practice of project management: 1. Providing a comprehensive overview of the role of projects within organizations. 2. Providing a comprehensive review of the methods useful for managing projects and their usefulness. 3. Identifying the broader effects of project management for organizations on their people, operations, finances and markets.

Course Co-ordinator: Dr James Wilson

89FA BUSINESS & MANAGEMENT 3: STRATEGIC MANAGEMENT

Credits: 15 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: one lecture; 2 hours per week

Requirements of entry: Students should achieve a minimum of a 'D' grade in four level 2 Business & Management courses. This course is only available to Faculty of Social Science students.

Co-requisites: none

Assessment: One three hour exam.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enable students to develop their understanding of how the theory of strategic management may be translated into practice.

Course Co-ordinator: Dr Judith Pate

89FC BUSINESS & MANAGEMENT 3: SUPPLY CHAIN MANAGEMENT

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Tuesday, 11.00a.m. - 1.00p.m.

Requirements of entry: Students should achieve a minimum of a 'D' grade in all four level 2 Business & Management courses. This course is only available to Faculty of Social Science students.

Assessment: 50% written exam; 50% group project comprising: 20% group analysis, 20% individual recommendations, 10% from group presentation to a panel of industrial managers and academics.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to provide students with an understanding of and capability to apply tools and techniques demonstrated in the course to analyse and critically evaluate some practice based issues presented by industrial or organisational presenters and in case studies. While essentially stand alone, this course will provide students with the opportunity to integrate insights from other areas of their previous experience or studies in areas cognate to business and management to support investigations of the Supply Chain issues presented. For example it will be possible to demonstrate the interconnection between supply chain issues and marketing, in some areas of the curriculum. This does not imply pre-requisites but the opportunity to widen the learning experience.

Course Co-ordinator: Prof Douglas MacBeth

4K8F BUSINESS & MANAGEMENT 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Honours timetable available from the Honours Handbook

Requirements of entry: To gain entry to study honours in Business & Management, candidates must normally have passed all four level 2 courses at the first sitting (securing a C grade or better in at least 3 courses). In addition, candidates must normally hold a complete set of non-honours credits prior to the start of their junior honours year (ie a total of 240 credits at grade 'D' or better, including 80 credits at level 2 for X2F and equivalent students)

Co-requisites: Prospective students must also satisfy any honours entry criteria set by the proposed joint department.

Assessment: 60 credits. All honours papers are assessed at the end of the year in which they are taken. Assessment and final examination weightings vary from course to course.

Degree Examination taken in: May/June

Aims: To provide advanced students with flexible access to specialist courses in each of the main areas of management. Particular interests can be followed through a broad range of research-based classes that promote a detailed understanding of marketing management, operations and logistics, strategic management or the management of human resources.

Honours Course Prescription: Courses amounting to 60 credits in each of the two honours years. Students wishing to take the Dissertation in 4th year must take Management Research Methods in 3rd year.

Course Co-ordinator: Dr Moira Fischbacher

4K8H BUSINESS & MANAGEMENT 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Honours timetable available from the Honours Handbook

Requirements of entry: Single 3H prospective honours students should achieve a minimum of 'C' grade in three level 2 Business & Management courses and a 'D' grade in the fourth, at the first diet.

Assessment: All honours papers are assessed at the end of the year in which they are taken. Assessments and final examination weightings vary from course to course.

Degree Examination taken in: May/June

Aims: To develop in students an integrated understanding of key issues and concepts affecting the core areas of management; to cultivate a learning environment in which students develop the ability to critically appraise traditional and contemporary academic thinking on management issues; to hone students' abilities in applying management tools to real life management problems; to provide an opportunity for students to engage with practitioners in the development of ideas and skills across the range of subject areas; and to generate in students, an appreciation of the range and complexity of managerial and organisational contexts.

Honours Course Prescription: Eight 30 credit papers or equivalent, including Management Research Methods and a dissertation, to be taken over year 3H and 4H, i.e. 240 credits. At least one subject must be taken from each of the following four categories: 1) Human Resource Management 2) Marketing 3) Managing Strategy and Finance 4) Operations and Logistics; with other subjects drawn from a list of additional options including a placement option.

Course Co-ordinator: Dr Moira Fischbacher

4K8G BUSINESS & MANAGEMENT 4H (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Honours timetable available from the Honours Handbook

Requirements of entry: Satisfactory performance in year 3H assessments.

Co-requisites: Prospective students must also satisfy any honours entry criteria set by the proposed joint departments.

Assessment: 60 credits. All honours papers are assessed at the end of the year in which they are taken. Assessment and final examination weightings vary from course to course.

Degree Examination taken in: May/June

Aims: To develop in students an integrated understanding of key issues and concepts affecting the core areas of management; to cultivate a learning environment in which students develop the ability to critically appraise traditional and contemporary academic thinking on management issues; to hone students' abilities in applying management tools to real life management problems; to provide an opportunity for students to engage with practitioners in the development of ideas and skills across the range of subject areas; and to generate in students, an appreciation of the range and complexity of managerial and organisational contexts.

Honours Course Prescription: Courses amounting to 60 credits in each of the two honours years. Students wishing to do a dissertation in Business and Management must have completed Management Research Methods during the third year.

Course Co-ordinator: Dr Moira Fischbacher

4K8J BUSINESS & MANAGEMENT 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Honours timetable available from the Honours Handbook

Requirements of entry: Satisfactory peformance in year 3H assessments.

Assessment: All honours papers are assessed at the end of the year in which they are taken. Courses amounting to 120 credits in each of the honours years including research methods taken in 3H year and a dissertation taken in 4H year.

Degree Examination taken in: May/June

Aims: To provide students with an integrated and critical understanding of key issues and concepts affecting the core areas of management. Attention will be directed beyond traditional functional boundaries, with students combining work on marketing, operations, strategy and human resource management. By combining insights and knowledge in this fashion, students will develop a keen sense of the complex and multifaceted challenges that now confront mangers in a range of contexts.

Honours Course Prescription: Eight 30 credit papers or equivalent including Management Research Methods and a dissertation to be taken over year 3H and 4H, i.e. 240 credits. Management Research Methods to be taken in year 3H and dissertation to be completed in year 4H. At least one subject must be taken from each of the following four categories: 1) Human Resources and Management 2) Marketing 3) Managing Strategy and Finance 4) Operations and Logistics; with other subjects drawn from a list of options including a business placement.

Course Co-ordinator: Dr Moira Fischbacher

School of Law

9NSU BUSINESS LAW 1

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures Monday, Tuesday and Thursday at 11am. Four tutorials.

Requirements of entry: None.

Co-requisites: None

Excluded Courses: Principles of Private Law

Assessment: Essay (25%); examination (75%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to the main sources of law in Scotland; To provide a firm grounding in the structure and content of the law of obligations and to provide an overview of the law of intellectual property and data protection; To explain and illustrate, through a programme of lectures, tutorials and directed reading, the basic principles and concepts of the law in these areas; To examine the law in these areas in sufficient detail to meet the requirements for BAcc professional exemption; To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set; To offer guidance in the framing and presentation of written legal argument; To highlight areas where the principles are subject to doubt or disagreement, and to encourage independent thought.

Course Co-ordinator: Dr Andrew Godfrey

8RNU CRIMINAL LAW AND EVIDENCE 1

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: One hour lectures Tuesday and Thursday at 1000. Five one hour fortnightly tutorials

Requirements of entry: This course is only open to students on the LLB and BAL degrees

Co-requisites: None

Excluded Courses: None

Assessment: Essay (30%); examination (70%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The aims of the course are: To outline the principles of the criminal law and the law of evidence; To outline the basic rules of the substantive criminal law; To allow the student to begin to develop an understanding of the interaction between rules of law and evidence in the proof of particular crimes; To develop a basic understanding of the context of the application of the rules of the criminal law.

Course Co-ordinator: Prof Lindsay Farmer

9KWU FORENSIC MEDICINE 1

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Wednesday, Thursday - 11.00 am.

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: Class examination comprising one multiple choice paper plus an essay paper (25% of final assessment). Degree Examination comprising multiple choice and essay paper (75% of final assessment)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To provide an introduction to forensic medicine and forensic science. Aspects of the law which particularly relate to legal proceedings involving these subjects are also included. (2) To introduce students with little or no previous experience of biology to the basics of human anatomy and physiology, dealing with the major body systems such as the heart and circulatory system and the reproductive system. (3) To review the main categories of injury and sudden, traumatic and non-accidental death, their causes and how they are investigated by the forensic pathologist and scientist. The work of the police surgeon and clinical forensic medical expert, for example, in cases of sexual assault are also covered. (4) To review legal aspects of medical practice such as deaths under medical care, certification of death and release of organs for transplantation. The role of the General Medical Council and problems of medical ethics are also covered. (5) To introduce the non-specialist to basic ideas of forensic science, forensic toxicology, forensic serology and haemogenetics (DNA analysis) and forensic psychiatry. (6) To show how this information is interpreted and presented in court.

Course Co-ordinator: Dr Robert Anderson

8QJU PRINCIPLES OF PRIVATE LAW

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: 1 hour lectures Monday, Wednesday and Friday at 0900. Fortnightly tutorials.

Requirements of entry: None

Co-requisites: None

Excluded Courses: Business Law

Assessment: NB: In the final examination students will be obliged to demonstrate knowledge of both obligations and family law.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a firm grounding in the structure and content of the law of obligations, family law and property law; To explain and illustrate, through a programme of lectures and tutorials, the basic principles and concepts of Scots law in these areas; To examine the law of obligations and family law in sufficient detail to meet the requirements for professional exemption; To suggest a classification of property law, family law and the law of obligations, in the latter area particularly through analysing the separate branches of contract, delict and unjustified enrichment; To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set; To offer guidance in the framing and presentation of written legal argument; To highlight areas where

the principles are subject to doubt or disagreement, and to encourage independent thought; To assist students in the development of research methods and enhance their familiarity with different sources of law; To encourage critical analysis, and enhance essay-writing skills.

Course Co-ordinator: Dr Janeen Carruthers

8RIU PUBLIC INTERNATIONAL LAW

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Three one hour lectures per week - Monday, Tuesday and Thursday at 1000 Tutorials: 5 x one hour

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: Assessed Internet Essay (20%) 1200 - 1500 words Degree Exam: 3 x hour exam (80%); 4 out of 9 questions

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The principal aim of this course is to provide an introductory overview of public international law, showing what international law is, what its principal divisions are, how it works and what its strengths and weaknesses are. It also aims to provide an understanding of the nature and sources of international law introduce the elements of the main subject areas of international law, contemporary developments in the subject, and the principal areas of international conflict and the main actors on the international stage; and to foster an appreciation of the role played by international law in the settlement of international disputes. Finally, the course also aims to develop your critical reading and international law problem solving skills; to develop your basic communication skills through participation in tutorial debates; to introduce you to basic international legal research and IT skills using the Internet; and to familiarise you with the professional role and career choices of the international lawyer.

Course Co-ordinator: Mr Akbar Rasulov

8RCU ROMAN LAW OF PROPERTY & OBLIGATIONS 1

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday and Tuesday in Semester 2 at 3.00 pm; Tutorials: fortnightly, Semester 2

Requirements of entry: None

Co-requisites: None

Excluded Courses: Civil Law

Assessment: Examination (100%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are to use the study of elementary Roman law to enable you to understand legal relationships; appreciate the roots of Scots and civilian legal systems; and enjoy knowing something of another culture.

Course Co-ordinator: Dr John Finlay

8RBU SOURCES AND INSTITUTIONS OF SCOTS LAW

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Weekly two hour tutorials over Semesters One and Two Five lectures early in Semester One

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: There will be four summative assessments: (1) A group exercise requiring analysis of a complex legal problem (2000 words) (20%) (2) An individual exercise in the form of a discursive essay (1500 words) (20%) (3) An exercise designed to test grasp of legal method requiring analysis of cases and of statutory materials (1000 words) (10%) (4) A three hour end of course examination comprising a mixture of problem and essay questions (50%). Apart from the examination, these assessments will also perform a formative and diagnostic function, as will tutorial exercises. In addition, however, there will be three purely formative methods of assessment: (1) Self-assessment of oral presentations and group tutorial exercises; (2) A computer-based assessment of factual knowledge of the legal system; (3) A 1000 word discursive essay based on the oral presentation. Candidates whose average mark for the four summative assessments is a grade D or better, and who have no element marked at grade G or below, will pass the course. Candidates whose average mark is a grade D or better, but who have one or more elements marked at grade G or below, will fail the course. They will be required to resit the elements marked at G or below and will pass the course if they achieve at least a grade F in those elements at the second attempt. Candidates whose average mark is lower than a grade D will fail the course. They will, however, only be required to resit the individual elements in which they have received a fail grade and will pass the course if their average mark for the four assessments after the resit diet is a grade D or better and they have no element marked below a grade F.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to, and enable them to understand, the nature of law, of legal systems and of the Scottish legal system in the contemporary world context; To enable students to acquire a foundational knowledge and understanding of the sources of Scots law and the institutions of government from the local government level to that of the European Union; To enable students to research primary and secondary legal sources and to present arguments based on them; To encourage students to work effectively both individually and in groups.

Course Co-ordinator: Prof Thomas Mullen

9GQV COMMERCIAL LAW

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 1 hour lectures Tuesday and Thursday at 1600 and Friday at 0900

Requirements of entry: Normally credit in Principles of Private Law

Co-requisites: None

Excluded Courses: Business Law

Assessment: 2,000 word Problem Essay worth 25% in Week 8 of Semester 2, 3 Hour Final Examination worth 75% at the end of Semester 2.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a firm grounding in the structure and content of commercial law, company law and business taxation; To explain and illustrate, through a programme of lectures, tutorials and directed reading, the basic principles and concepts of the law in these areas; To examine the law in these areas in sufficient detail to meet the requirements for professional exemption; To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set; To offer guidance in the framing and presentation of written legal argument; To highlight areas where the principles are subject to doubt or disagreement, and to encourage independent thought; To assist students in the development of research skills; To encourage critical analysis, and enhance essay-writing skills.

Course Co-ordinator: Dr Iain MacNeil

9NTV COMMERCIAL LAW FOR BUSINESS

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 1 hour Lectures Tuesday at 1400; Thursday at 1200 and Friday at 1200. Four tutorials.

Requirements of entry: Attendance in Business Law 1 is normally required, except, in particular, for visiting Law students.

Co-requisites: None

Excluded Courses: Commercial Law

Assessment: 2,000 word Problem essay - 25%, due end of the week following the Easter vacation; 2 hour Final exam - 75%, end of second semester. Format of Degree Exam: Three questions will have to be answered in a paper containing five questions featuring a mixture of problems and essay-type questions. One problem question will be compulsory but will be seen by students in advance of the date of the exam. Each question answered will be worth 25% of the final mark.

Degree Examination taken in: March

Resit Examination taken in: August/September

Aims: To provide a firm grounding in the structure and content of the law of partnership, agency, company law and trusts and to provide an overview of the law governing liquidation, company administration and personal sequestration; To explain and illustrate, through a programme of lectures, tutorials and directed reading, the basic principles and concepts of the law in these areas; To examine the law in these areas in sufficient detail to meet the requirements for BAcc professional exemption; To enhance students' problem-solving skills through the identification of legal issues in complex problems, the application of relevant legal rules, and achievement of resolutions to the problems set; To offer guidance in the framing and presentation of written legal argument; To highlight areas where the principles are subject to doubt or disagreement, and to encourage independent thought; To encourage critical analysis, and enhance essay-writing skills.

Course Co-ordinator: Dr Iain MacNeil

9HDV EUROPEAN UNION LAW

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: To be confirmed

Requirements of entry: Normally, the award of credit for Sources and Institutions of Scots Law or equivalent courses taken in other institutions

Co-requisites: Normally, attendance at Law and Government or equivalent courses taken previously in other institutions.

Excluded Courses: None

Assessment: There will be one piece of summative assessment; a one and a half hour exam in the summer diet in which students have to answer two compulsory questions. One question will be on the independently researched topic of the free movement of persons and the other will be on one of the three workshop topics. This approach will ensure that students have to revise the whole course for the examination. Candidates who obtain D and above in the examination will pass the course. A resit examination will be held in August.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are as follows: To build on the knowledge and skills communicated in the classes of Sources and Institutions of Scots Law and Law and Government in which the students studied the institutions and judicial system of the European Union; to introduce students to the substantive law of the European Union, namely the internal market, competition law and policy and discrimination law; to fulfil the requirements of the Law Society of Scotland; to encourage interest in and awareness of the continuing process of European integration; to show how underlying socio-political and economic factors shape the development of European Union law; to further develop students transferable skills, in particular problem solving, written communication skills and autonomous learning skills; to encourage independent learning in preparation for the workshops and assessment.

Course Co-ordinator: Miss Maria Fletcher

0MWV INTERNATIONAL PRIVATE LAW

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Thursday and Friday at 1100

Requirements of entry: Normally a minimum D pass in Principles of Private Law

Co-requisites: Property Law

Assessment: Examination (100%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The knowledge-based aims of the course are: 1. To familiarise students with the nature of International Private Law, and its method and terminology. 2. To enable students to recognise conflict of laws issues in a legal problem. 3. To equip students to produce informed and reasoned arguments using Scots (and, subsidiarily, English) conflict rules, in order to provide viable solutions to conflict problems arising in major areas of private law. 4. To equip students to discuss in essay format topics of importance within the conflict of laws. The knowledge/skills-based aim of the course is: 5. To introduce students to the subject of law reform in the conflict of laws so that they may be able to evaluate recent and current law reform measures, national, international and EU. The skills-based aims of the course are: 6. To develop student skills of problem-solving and analysis. 7. To develop student skills in handling materials relating to the above areas, including statutory and case law and reading and assessment of Law Commission reports, conventions, EU explanatory memoranda, and other consultation documents. 8. To promote skills of oral discussion of legal problems within the conflict of laws. 9. To develop student skills of written communication and problem solving by means of submission of diagnostic written assignment, and by satisfactory performance in the degree examination.

Course Co-ordinator: Dr Elizabeth Crawford

8ZKV JURISPRUDENCE

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 1 hour lectures Tuesday and Thursday at 1000

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: The first piece of assessment will be done in tutorial. The written paper will be weighted at 10% as will the oral presentation (thus ensuring no new issues for the current weighting of 10% on oral presentations). Students to be given full guidance on this and criteria of assessment will be: How well did the presenter demonstrate knowledge and understanding of the material? Were the arguments clear and well-structured into key points? And how well did the presenter respond to questions asked by the audience? A paper record of the oral presentation will be kept by the marker for review by the External Examiner. The second piece of work will be equally weighted between a problem and an essay. The rationale here is both to have students focus on applying their jurisprudential knowledge to a particular problem, as well as covering the more familiar essay writing abilities. Between these two parts, the full range of issues presented in the course will be covered for assessment purposes. There will be no final written examination. At this level written exams tend to be formulaically responded to; given the nature of the subject matter we believe the material is best assessed through prepared written answers which allows students time to reflect more adequately on their answers. Given the nature of the assessment, coverage of the full range of material will still be retained.

Aims: The aim of the course is to enhance students' understanding of law by placing it in its theoretical, philosophical and sociological contexts

Course Co-ordinator: Dr Thomas Veitch

9KVV LABOUR LAW

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday and Thursday at 1000

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: 2000 word problem essay (25%); 2 hour degree examination (75%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are as follows: - to introduce students to the legal regulation of work relationships; - to identify the main sources of regulation; - to consider the contract of employment; - to consider the principal statutory employment rights.

Course Co-ordinator: Dr Jane Mair

8ZQV LAW AND GOVERNMENT

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 1 hour lectures Tuesday and Thursday at 1300

Requirements of entry: Normally, obtaining credit in Sources and Institutions of Scots Law.

Co-requisites: None

Excluded Courses: None

Assessment: (1) Writing a case note. This will be an individual assignment, developing legal methods, research and written communication skills. It will be aimed at testing students critical understanding of a particular judgment in the light of the themes underpinning the course as a whole. Students will be given a choice of cases, to minimise pressure on library resources. (2000 words) (1/3) (week 7/8) (2) Group research project. Students will be required to undertake an open-ended and evaluative research project on one of the non-judicial aspects of administrative law. As part of the project, they will be required to submit a brief critical evaluation of the research methods employed. Students will work in groups of 5. A choice of projects will be provided, to minimise pressure on library resources. (3000 words) (1/3) (3) Take-home problem. This is an individual assignment which students will be given two working days, during the examination period,

to complete. i.e., it will be issued (on paper, and via the web/email) at 9 am on one day, to be submitted by 4.30 pm the following day. It will develop students' problem-solving and written communication skills and is aimed at testing their understanding of the principles of judicial review and official liability (both domestic and European). The take-home method is designed to ensure that students cannot avoid learning the whole of these parts of the syllabus, but without the stress of (and for staff, the burden of setting and marking) a conventional examination. To minimise potential resource constraints, there will be no requirement that students' answers to be typed(c.2000 words) (1/3)

Aims: to introduce students to the theory and principles of accountable government at all levels - Scottish, United Kingdom and European; to introduce students to judicial techniques for achieving accountable government, in particular, judicial review, the Human Rights Act and official liability; to introduce students to the peculiarities of litigation against the Crown and public authorities; to introduce students to alternative techniques of accountable government; to improve students' written communication skills; to improve students' legal reasoning and problem-solving skills; to improve students' group working and research skills.

Course Co-ordinator: Prof Adam Tomkins

8ZMV PROPERTY LAW

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: 1 hour lectures Monday at 0900 and Friday at 1000 weeks 1-4 of Semester 1 and weeks 1 and 2 of Semester 2; 1 hour lectures Tuesday and Thursday at 1100 weeks 6-8 of Semester 2

Requirements of entry: Normally the award of credit for Principles of Private Law

Co-requisites: Normally attendance at Tax Law. Students who do not take the course in Tax Law may experience difficulty with the tax elements of this course

Excluded Courses: None

Assessment: There will be five summative assessments: An essay on a law reform issue (1,500 words) (10%); A class test in the form of a multiple choice exam based on problem questions (20%); A group essay based on a complex problem (2,500 words). 20 per cent of the mark for this assessment will be derived from a peer assessment of the contribution of the group members in this assessment. (20%); A final two hour examination covering those areas of the course not otherwise assessed. (40%); Assessment of tutorial performance (10%). There will also be a short formative assessment.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are: to explain the nature of heritable and moveable property and the legal rules relating to ownership and transfer of such property; to introduce the basic elements of intellectual property protection; to provide students with a knowledge of the concepts underlying leases, the rights and duties of the parties to a lease and assignation and termination of leases; to introduce students to the trust concept and its operation; to explain the nature of testate and intestate succession, testamentary writings, vesting; to explain the tax consequences of property transactions; to take responsibility for effective individual and group discussion and problem solving exercises; to develop research skills; to develop problem solving skills; to assist the acquisition and development of effective groupworking skills; to assist the acquisition and development of organisational and communication skills required to both lead and be a participative member of a task-based group; to satisfy the professional requirements of the Law Society of Scotland and to provide a theoretical basis for Conveyancing practice in the Diploma in Legal Practice.

Course Co-ordinator: Mr Thomas Guthrie

8ZLV TAX LAW

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 1 hour Lectures on Monday at 1100 and Tuesday at 1600

Requirements of entry: None

Co-requisites: None

Excluded Courses: Taxation

Assessment: There will be one piece of summative assessment, a 3,000 word research assignment based on a complex multi-tax problem to be completed by each individual student taking the course.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The aims of the course are as follows: to explain the scope of the UK tax jurisdiction; to introduce students to the sources of UK tax law including relevant aspects of European and international tax law; to provide students with a knowledge of the structure of Value Added Tax, Income Tax, Corporation Tax, Capital Allowances, Capital Gains Tax, Stamp Duty and Inheritance Tax; to provide students with a detailed knowledge of key elements of Value Added Tax and Income Tax; to develop research, problem solving and written communication skills; to encourage students to study tax law at a higher academic level.

Course Co-ordinator: Mr John Brown

89YR ADVANCED INTERNATIONAL LAW

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly 2 hour lectures - Wednesday 0900-1100

Requirements of entry: Achievement of at least a C grade in Public International Law

Co-requisites: None

Excluded Courses: None

Assessment: ·Summative:Class essay, 1,500-2,000 words (30%); 3-hour final exam (70%) ·Formative: Feedback will be provided on in class discussion and presentations

Aims: ·to provide an in-depth analysis of the character and development of international law; ·to provide a fuller and deeper understanding of the legal factors that govern the operation of international law; ·to examine current developments in the various institutions considered (e.g., the United Nations, the World Trade Organisation, etc.); ·to enhance the students' understanding of the nature and development of international dispute settlement; ·to deepen the students' understanding of various specialised branches of international law (e.g., international law of human rights, international environmental law); ·to enhance the students' overall critical analytical skills; ·to facilitate the general development of group-work, oral communication, written presentation, and information processing skills.

Course Co-ordinator: Mr James Sloan

89SX CIVIL JURISDICTION AND EVIDENCE

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Twice weekly 1 hour seminars - Tuesday 0900-1000 and Thursday 0900-1000

Requirements of entry: Normally minimum D pass in Principles of Private Law.

Co-requisites: None

Excluded Courses: None

Assessment: Examination (100%)

Degree Examination taken in: May/June

Aims: The knowledge-based aims of the course are: (1) To explain the nature and the theory of the subject of International Private Law, its methods and terminology; (2) To enable students to identify conflict of laws issues in a legal problem; (3) To enable students critically to describe problems of the interpretation and ambit of jurisdictional rules, and to present reasoned argument upon complex conflict of laws problems in the area of civil jurisdiction; (4) To enable students to present informed argument upon points of the Scots law of civil evidence; (5) To equip students to apply conflict rules of Scots (and, subsidiarily, English) conflict rules in complex legal problems in the area of civil jurisdiction, so that they may be able to provide accurate, relevant and authoritative answers to problems arising within the subject area; (6) To enable students to provide an informed evaluation of the different methods of allocation of jurisdiction; (7) To enable students to differentiate between issues of substance and procedure, and to be able to advise upon the content and nature of particular pre-trial safeguards and remedies, and to explain the rules governing proof of foreign law and the significance thereof; (8) To equip students to explain the theory and detail of foreign decree enforcement; (9) To enable students to explain the Scots rules of civil evidence, and critically to examine areas of controversy within this field. The knowledge/skills-based aim of the course is: To introduce students to the subject of law reform in the area of civil jurisdiction and evidence, so that they may be able to appreciate recent and proposed law reform measures (national and international), including, in particular, the impact of the creation of the European judicial area; The skills-based aims of the course are: (1) To develop students skills of problem-solving and analysis; (2) To develop student skills in handling materials relating to conflict rules in the area of civil jurisdiction and evidence, including statutory and case interpretation, and reading and assessment of Law Commission reports and other consultation documents; (3) To foster student skills of written communication and problem solving by means of submission of diagnostic written assignment, and satisfactory performance in the degree examination.

Course Co-ordinator: Dr Elizabeth Crawford

89TG COMMERCIAL BANKING

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly - Thursday 1500 - 1700

Requirements of entry: Normally minimum of D in Commercial Law (Level 2)

Co-requisites: None

Excluded Courses: None

Assessment: Essay (25%); examination (75%).

Degree Examination taken in: May/June

Aims: To provide a critical understanding of the law of commercial banking (knowledge); To provide students with tools for the critical analysis of problems in the law of commercial banking (skill).

Course Co-ordinator: Prof Lorne Crerar

89TH COMPARATIVE LAW

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday 1300 - 1500

Requirements of entry: Normally minimum of D in Jurisprudence (Level 2)

Co-requisites: None

Excluded Courses: None

Assessment: Essay (25%); examination (75%).

Degree Examination taken in: May/June

Aims: To examine issues and methodology of comparative law (knowledge); To provide students with tool for analysing different solutions to similar problems (skill).

Course Co-ordinator: Prof Esin Orucu

6X1D ENVIRONMENTAL LAW 3

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly 2 hour seminars Wednesday 1500-1700

Requirements of entry: Grade D at least in Public Law II and European Law

Co-requisites: None

Excluded Courses: None

Assessment: Examination (60%); research essay (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of the course is to develop knowledge and understanding of the law bearing on the protection of the environment at international, European and national levels.

Course Co-ordinator: Mr Kenneth Ross

89TJ HUMAN RIGHTS AND SCOTS LAW

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly 2 hour seminars - Wednesday 1100-1300

Requirements of entry: D grades in SISL and Law and Government at the first attempt

Co-requisites: None

Excluded Courses: None

Assessment: Group essay (25%); group project report (25%); examination (50%).

Degree Examination taken in: May/June

Aims: This course aims to develop an understanding of the European Convention on Human Rights (including the impact of incorporation on domestic law) and related European human rights instruments and also certain 'transferable' or 'key' skills in students: ie, communication, problem-solving, working with others, improving one's own learning and performance, and IT.

Course Co-ordinator: Prof James Murdoch

89TD INSTITUTIONS AND JUDICIAL CONTROL OF THE EU

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly 2 hour seminars - Monday 1100 - 1300

Requirements of entry: Normally, a grade C or above in Sources and Institutions of Scots Law and Law and Government. International exchange students will be expected to have previously studied some public law.

Co-requisites: None

Excluded Courses: None

Assessment: Essay (25%); examination (75%).

Degree Examination taken in: May/June

Aims: Knowledge based: To examine the institutional framework of the EU; To discuss and critique the current debates on the reform of the EU; To introduce students to the debates on good governance in the EU; To enable a deeper understanding of EU law-making; To gain a critical understanding of the role of the European Courts and judicial remedies. Skills based: To enhance research skills in the field of European constitutional law; To encourage students to engage in constructive and analytical discussions on key issues in the seminar; To enable students to write critically about EU institutions and processes; To encourage and enhance learning through group-work in seminars.

Course Co-ordinator: Miss Maria Fletcher

89TE LEGAL THEORY

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Weekly 2 hour seminars - Friday 1300 - 1500

Requirements of entry: Normally a C in Jurisprudence

Co-requisites: None

Excluded Courses: None

Assessment: Essay (25%); examination (75%).

Degree Examination taken in: May/June

Aims: Provide students with an in-depth understanding of some central problems of legal theory; Strengthen students' analytical skills in dealing with a range of theoretical and practical legal issues; Broaden students' awareness of legal theoretical questions in a historical, contemporary and comparative framework.

Course Co-ordinator: Dr Thomas Veitch

School of Modern Languages & Cultures

The School now encompasses the departments of French, German, Hispanic Studies, Italian and Slavonic Studies.

9MJU COMPARATIVE LITERATURE 1A - HEROES (HEROIC MEN)

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Wednesday and Thursday at 12.00 p.m.

Assessment: One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course analyses works representing different types of hero: classical, tragic, popular, traditional, comic, anti-heroes and others. It explores the notion of heroism, its absence in our lives and our longing for it as this finds expression in various historical contexts and cultures. It also deals with the notion of masculinity as a cultural and historical construct. The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

Course Co-ordinator: Dr M Martin

9NPU COMPARATIVE LITERATURE 1B - HEROES (HEROIC WOMEN)

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Wednesday and Thursday at 12.00 p.m.

Assessment: One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end

of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course analyses various depictions of "heroic women" in different cultural contexts and historical periods. It explores the notion of female heroism in contrast to male heroism, indicating major differences and similarities. It also deals with women writers' responses to male writers' depictions of female protagonists. The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

Course Co-ordinator: Dr Margaret Tejerizo

9NQV COMPARATIVE LITERATURE 2A - FRONTIERS (CROSSING BORDERS)

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Wednesday and Thursday at 4.00 p.m.

Requirements of entry: At least 20 credits at Grade D or better in one of the following subjects at Level 1: Comparative Literature; a Modern Language Course which includes the study of literature; Classical Civilisation; English Literature; Scottish Literature; Slavonic Studies; or, in other cases, by permission of Course Convener.

Assessment: One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course aims to analyse the theme of "crossing borders" in geographical, scientific, political, psychological, social, cultural and gender-orientated terms, building on literary skills which students have acquired through study at Level 1. It focuses on the human motivations behind, and the consequences of, various "crossings" as well as the exploration of otherness, secrets, mysteries and taboos. It additionally deals with literary depictions of exile, emigration, travels, love and broadly understood "discoveries". The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

Course Co-ordinator: Dr Elwira Grossman

9NRV COMPARATIVE LITERATURE 2B - FRONTIERS (EXPLORING IDENTITY)

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Wednesday and Thursday at 4.00 p.m.

Requirements of entry: At least 20 credits at Grade D or better in one of the following subjects at Level 1: Comparative Literature; a Modern Language Course which includes the study of literature; Classical Civilisation; English Literature; Scottish Literature; Slavonic Studies; or, in other cases, by permission of Course Convener.

Assessment: One piece of comparative work, normally an essay (weighted at 40%), and one two-hour end of course exam containing a strong comparative element with each question addressing at least two texts (weighted at 60%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Building on literary skills which students have acquired through study at Level 1, this course will focus on various literary and cinematic depictions of the human search for identity and the meaning of self through a series of challenging texts and films from a variety of cultures. The course will encourage students to apply the analytical skills they have gained to a wide range of problems which may confront them in different situations and contexts in later life.

Course Co-ordinator: Dr M Martin

0BUW COMPARATIVE LITERATURE 3A: CONSTRUCTING THE LITERARY SELF

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Tuesday, Wednesday and Thursday at 3.00

Requirements of entry: 40 credits at grade D or better in any subject at level 2, of which: At least 20 credits at grade D or better in one of the following subjects at level 2: Comparative Literature, A Modern Language course which includes the study of literature; Celtic Civilization; Classical Civilization; English Language; English Literature; Scottish Literature; Slavonic Studies; Narratives of Adultery (Crichton); or, in other cases, by permission of Course Convener

Assessment: One essay (33.33%); Final 2-hour examination (66.66%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to certain major representative works of literature in translation and thereby to develop their literary awareness and sensitivity, with a particular emphasis on constructions of the self in literature across a range of cultures and periods; To engage students imaginatively in the process of reading and analysing literary texts in translation; To allow students to critically reflect upon the advantages and disadvantages of differing approaches to literary material and to select interpretative models that seem appropriate to a given piece or body of material; To extend students' analytical and presentational skills acquired at Levels 1 and 2; To develop an awareness of intercultural issues by presenting set texts not only individually, but also in relation to each other; To develop, through written assignments and tutorial discussion, skills that are both important in their own right and are also transferable,

notably independent critical thinking and judgement, the ability to assimilate, analyse and compare unfamiliar/difficult material, solve problems, produce assignments, organise time, learn independently, argue coherently, and handle detail without losing sight of general perspectives.

Course Co-ordinator: Dr Eanna O'Ceallachain

0BVW COMPARATIVE LITERATURE 3B: SELF AND HISTORY IN LITERATURE

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Tuesday, Wednesday and Thursday at 3.00

Requirements of entry: 40 credits at Grade D or better in any subject at Level 2, of which: At least 20 credits at Grade D or better in one of the following subjects at Level 2: Comparative Literature, A Modern Language course which includes the study of literature; Celtic Civilization; Classical Civilization; English Language; English Literature; Scottish Literature; Slavonic Studies; Narratives of Adultery (Crichton); or, in other cases, by permission of the Course Convener

Assessment: One essay (33.33%); Final 2-hour examination (66.66%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to certain major representative works of literature in translation and thereby to develop their literary awareness and sensitivity, with a particular emphasis on the relationship between literature and the socio-cultural, historical and ideological contexts from which it emerges; To engage students imaginatively in the process of reading and analysing literary texts in translation; To allow students to critically reflect upon the advantages and disadvantages of differing approaches to literary material and to select interpretative models that seem appropriate to a given piece or body of material; To extend students' analytical and presentational skills acquired at Levels 1 and 2; To develop an awareness of intercultural issues by presenting set texts not only individually, but also in relation to each other; To develop, through written assignments and tutorial discussion, skills that are both important in their own right and are also transferable, notably independent critical thinking and judgement, the ability to assimilate, analyse and compare unfamiliar/difficult material, solve problems, produce assignments, organise time, learn independently, argue coherently, and handle detail without losing sight of general perspectives.

Course Co-ordinator: Dr Jan Culik

9BFF COMPARATIVE LITERATURE 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Core course: 1 hour weekly, on Tuesday at 1.00. Other times depend on option choice.

Requirements of entry: Grade D or better in at least two of the four Comparative Literature courses at levels 1 and 2, at least one of which must be at level 2 with grade C or better.

Co-requisites: Acceptance into Joint Honours by another relevant Department and compliance with Arts Faculty regulations on Honours entry.

Assessment: One Core course: 2-hour exam (50%); essay (50%). Optional courses, depending on student choices, will be assessed by a combination of course work and examination. All 3H courses examined at end of 3H year.

Degree Examination taken in: May/June

Aims: To engage students in the comparative study of literatures/cultures of different languages, nations and periods with a view to examining and analysing their inter-relationships. To introduce students, through the core courses, to major concepts in literary and cultural theory and intercultural approaches to literature. To offer students the opportunity of studying culturally different texts in a framework which includes issues of gender, ethnicity and colonial and post-colonial experiences. To allow students to reflect critically upon differing approaches to literary material and to select interpretative models appropriate to a given text or texts. To give students an awareness of issues of language and translation as they relate to the reading of texts from different cultures. To develop, to an advanced level, skills of analysis, argument and presentation acquired at levels 1 and 2. To develop, through written assignments and seminar discussion, skills that are both important in their own right and are also transferable, notably independent critical thinking and judgement, the ability to assimilate, analyse and compare unfamiliar/difficult material, solve problems, produce assignments, organize time, learn independently, argue coherently, and handle detail without losing sight of general perspectives.

Honours Course Prescription: All students take two compulsory 15-credit core courses (one in 3H, one in 4H): Intercultural Readings and Theories of Reading. Students choose options to make up remaining credits. Options in 3H may include ONE of: Constructing the Literary Self; Self and History in Literature. Options may include one course worth up to a maximum of 30 credits from the available 'language only' courses in SMLC at levels 1, 2 and 3. Other options include (not all are necessarily available in any given year): The European Emblem; French Cinema; Sexualities I and II (French); 20th Century French Novel; Triumph of Classical French Theatre; Illusion and Truth from Montaigne to Voltaire; Czech, Polish and Russian Women's writing; Russian Novel; Mass Media of Central and Eastern Europe; Further Issues Concerning Mass Media of Central and Eastern Europe; Contemporary Czech Cinema; Polish Literature in Translation from Renaissance to C20th; 20th Century Polish Literature; Contemporary Polish Cinema; Polish Identities; History of the Czechs and the Slovaks; Domesticating the Dictators; Slavonic Drama; Russian Cinema; The Literature of the Holocaust; Power and Culture in Late Soviet and Post-Soviet Russia; Classic Fairy Tales: the texts and the interpretations; Modern German Thought II Freud and Jung; German Drama and the Spanish

Comedia; Goethe's Faust Part Two; Medieval Welsh Literature; Early Gaelic Literature; Belief and Culture in Early Medieval Ireland and Scotland; Censorship in Western Culture. Not more than one option of a non-comparative nature may be chosen. A dissertation (15 credits) may be substituted for one option in 3H year.

Course Co-ordinator: Prof Michael Gonzalez

9BLG COMPARATIVE LITERATURE 4H (JOINT)

(See: 9BFF COMPARATIVE LITERATURE 3H (JOINT))

FRENCH

2HFU FRENCH 1A (LANGUAGE ONLY)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: No fixed class hour but a wide range of times available. A weekly language class on Tuesday, weekly video/language class on Monday at either 10am or 3pm, a weekly oral class, a fortnightly Computer Assisted Language Learning class.

Requirements of entry: At least grade C (B more advisable) in SCE Higher French or equivalent.

Excluded Courses: French Language 1B

Assessment: One written language paper (50%), a video examination including short essay in French (25%), oral assessment (25%) [of which one quarter of result for oral assessment is based on mark for overall oral participation throughout session].

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the course are to reinforce and build on your knowledge of the structures of the French language, particularly verbal constructions; to enhance your comprehension of French by exposing you to a variety of authentic sources, and to increase your ability to produce sustained, accurate French in both speech and writing. More generally, the course aims to encourage you to develop habits of independent study, individual resourcefulness and time management and to enhance your analytic and communicative skills - all things which will prove valuable to you in any sphere of employment.

Course Co-ordinator: Dr Heather Lloyd

8UGU FRENCH 1A LANGUAGE, LITERATURE AND MODERN FRANCE

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: A weekly language class on Tuesday, a weekly video/language class on Monday at 10am or 3pm, a weekly literature lecture on Thursday at 10am or 3pm, a weekly oral class, a fortnightly Computer Assisted Language Learning class.

Requirements of entry: At least grade C (B more advisable) in SCE Higher French or equivalent.

Co-requisites: None

Assessment: In-course: 12.5% literature homework assignment (better of two, submitted in semesters 1 and 2) and 12.5% essay or literary commentary question sat under exam conditions in semester 2, week 9 (April); for oral assessment, see below. End of session examination (May/June): 25% written language (=Paper One) + 25% literature (=Paper Two) + 12.5% video test including short essay in French + 12.5% oral assessment [of which one quarter of result for oral assessment is based on mark for overall oral participation throughout session].

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aims of the language element of the course are (i) to reinforce and build on your knowledge of the structures of the French language, particularly verbal constructions; (ii) to enhance your awareness of the range of register in the French language by exposing you to a variety of authentic sources, and (iii) to increase your ability to produce sustained, accurate French in both speech and writing. The aims of the literature and Modern France elements of the course are to give you an understanding of the forces which shape France today; and (ii) to introduce you to literary studies, viewing texts in the context of the trends and events in modern France from which they spring. Both the language and literature/Modern France elements aim to encourage you to develop habits of independent study, individual resourcefulness and time management and to enhance your analytic and communicative skills. Please note this course is currently under review and is subject to approval.

Course Co-ordinator: Dr Heather Lloyd

1C7B FRENCH 1B (BEGINNERS' LANGUAGE: INSTITUTIONS AND LITERATURE)

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: A weekly video/grammar class on Tuesday at 10am or 3pm, a weekly literature lecture on Thursday at 10am or 3pm, a weekly oral class, a weekly language class.

Requirements of entry: Entrance is restricted to those who do NOT have a pass in SCE Higher French or its equivalent within the last four years.

Excluded Courses: French 1A

Assessment: Language Paper: Translation into French; Translation into English; Grammar exercises. Oral Exam (Reading/Speaking); Video Comprehension. Literature/Modern France Paper. Some continuous assessment built in on both language and content sides of course.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Language: To enable you to acquire the basic grounding in French which will ultimately empower you to understand, speak and write French; to give you the necessary tools to observe and analyse the structure

of French, whether in its spoken or written form; to help you develop your own learning strategies. Modern France and Literature: To provide you with an understanding of the forces which shape France today; to introduce you to literary study, viewing texts in the context of the trends in modern France from which they spring. Students may progress from this class to French 2. Please note this course is currently under review and is subject to approval.

Course Co-ordinator: Dr Heather Lloyd

2NDU FRENCH 1B (LANGUAGE ONLY)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: A weekly video/language class on Tuesday at 10am or 3pm, a weekly grammar class, a weekly oral class.

Requirements of entry: Entrance is restricted to those who do NOT have a pass in SCE Higher French or its equivalent in the last four years.

Excluded Courses: French 1A, French 1C, French 1A (Language only)

Assessment: Written Language Paper/Grammar: Translation into French; Translation into English; Grammar exercises; Continuous Assessment. Other elements: Oral Exam: Reading; Speaking; Continuous Assessment; Video comprehension.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Language: To enable you to acquire the basic grounding in French which will ultimately empower you to understand, speak and write French; to give you the necessary tools to observe and analyse the structure of French, whether in its spoken or written form; to help you develop your own learning strategies. Students may progress from this class to French 2 (Language).

Course Co-ordinator: Dr Heather Lloyd

7FNV FRENCH 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Lectures at 12 noon on Tuesday and Wednesday, language tutorials at 11am, 12 noon or 1pm on Thursday. Literature tutorials, Computer Assisted Language Learning and conversation classes at various other times.

Requirements of entry: Grade D or better at French 1A or 1C, or grade B or A at French 1B, or by Head of Department's permission.

Assessment: Double course tested by three 2-hour examinations; Dictation; Oral; continuous assessment literature exercises during both semesters.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To extend all students' linguistic skills (both written and spoken) acquired at level 1; to introduce full-time students to certain major representative works of literature from the 17th to the 20th centuries in a range of genres, and thereby to develop their literary sensitivity; to enhance all students' sense of the interest, importance and usefulness of their studies not only as preparation for future visits to French-speaking countries (eg during the year abroad) but also as relevant to an understanding of current attitudes and contemporary events (eg Voltaire on War); to develop, through written and oral assignments, skills that are both important in their own right and also transferable (and therefore important for employment prospects), notably the ability to assimilate and analyse unfamiliar/difficult material, solve problems, produce assignments, organize time, learn by oneself, argue cogently, and handle detail without losing sight of general perspectives.

Course Co-ordinator: Dr Laurence Grove

7ETV FRENCH LANGUAGE 2

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Language lectures/seminars at 12 noon on Wednesday, language tutorials at 11am, 12 noon or 1pm on Thursday, weekly conversation classes and fortnightly Computer Assisted Language Learning classes at various other times.

Requirements of entry: Grade D or better in French 1A ('Language Only'course) or grade B or A in French 1B ('Language Only' course) or by Head of Department's permission.

Assessment: Single course tested by two 2-hour examinations (75%), Dictation (8.33%) and Oral (16.66%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Language study through written translation, comprehension, oral classes and some use of material recorded on cassette and video to develop aural/oral skills. Aims are: to extend students' linguistic skills (both written and spoken) acquired in Level 1 French; to enhance students' sense of the interest, importance and usefulness of their studies not only as a preparation for future visits to French-speaking countries (e.g. on ERASMUS/SOCRATES courses) but also as relevant to an understanding of current affairs and attitudes (e.g. as reflected in contemporary journalism, both spoken and written); to develop skills that are important both in their own right and for employment purposes.

Course Co-ordinator: Dr Laurence Grove

114D FRENCH 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Language, Tuesday and Wednesday at 12 noon and a further language class (choice of times); Students will also study courses amounting to 30 credits (e.g. 2 x 15 credits courses or 4 x 7.5 credits courses) from the Honours courses.

Requirements of entry: Head of Department's discretion

Assessment: One three-hour written language paper of translations into (33.3%) and out of French (33.3%), plus an oral examination (33.3%). A minimum D grade

to have been obtained in the written paper. In Literature, Honours content courses are examined by continuous assessment (see Honours content courses).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The oral and written assignments are designed to encourage autonomous learning, good time-management and analytical and communicative skills, which are highly valued in all spheres of employment. The aims of the Honours content courses are to encourage study in depth of a period, a genre or of specific aspects of language and to foster autonomous work and analytical skills, as in Honours. Choices are made in consultation with the Honours coordinator.

Course Co-ordinator: Mr William Dickson

114F FRENCH 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Seminars are daily at 10.00 am and 12.00 and at other times to be arranged. All tutorials are at times to be arranged.

Requirements of entry: Normally satisfactory performance in French 2 and a prolonged period of residence in France. Those students who have spent a year in another country such as Germany spend the third term of Junior Honours at a course in France.

Assessment: Joint Honours students take 4 x 15 credit courses over two years or equivalent involving 7.5 credit courses + 60 credits language over two years. Language: two written papers by examination; two oral examinations in Senior Honours. (Each language paper/oral is rated at 15 credits). Content courses: see details of assessment of content courses under 'honours course prescription'. The content element will be examined by continuous assessment or end of term exam in both Junior and Senior Honours.

Degree Examination taken in: May/June

Aims: Wherever possible, to give the student as much choice for exploring aspects of French language, literature and culture as is consistent with staff availability; To consolidate and significantly develop the student's existing knowledge of French language, literature and culture; building on a period of extended residence abroad; to consolidate both written and oral language acquisition; to develop transferable analytical and presentational skills.

Honours Course Prescription: Throughout the two years of study students have regular written language and oral classes. Content courses are chosen from the following: From Epic to Romance; Tricks and Tricksters in Medieval Narrative; Late Medieval Lyric Poetry; Ronsard and Rabelais: Renaissance Humour; Emblems; The Triumph of Theatre 1630-1680; Corneille Dramatist; The Tragedy of Racine; Molière; Illusion and Truth: from Montaigne to Voltaire; The Court of Versailles; Sexuality, Textuality and Society: The Eighteenth-century French novel; History in 19th-century Prose Fiction; Québec Politics and Culture; Bande Dessinée; L'Ecole de Brive: social change and identity in the modern novel; French Cinema; Recent French Social Thought; Sexualities I (Dissidence); Sexualities II (Sado-masochism); Remembering in 20th-century Fiction; Stagecraft and Witchcraft; The 20th-century Novel; Women's Writing; Parallel Visions: Poetic Visuality/Screen Writing in French 20th-century Poetry and Cinema; 20thC French Thought; French Dialects; Le Français des Affaires; Le Français des Sciences sociales; Legal French; Modern Occitan Culture; Medieval and Renaissance Occitan Literature; TEFL. Content courses will normally be assessed by an essay or similar piece of work written at the end of term. In the case of French Dialects, Le Français des Affaires, Le Français des Sciences Sociales and Legal French, the course will not be assessed by the usual essay but by a mixture of appropriate language exercises (linguistic commentary, translation, video comprehension, résumé and synthesis) over the course of each term, both from and into French, some exercises being done under examination conditions.

Course Co-ordinator: Mr William Dickson

114H FRENCH 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Seminars are daily at 10.00 am and 12.00 and at other times to be arranged. All tutorials are at times to be arranged. Stylistics (Junior Honours) on Tuesdays at 2.00, and Video and related language work (Senior Honours) on Tuesdays at 9.00.

Requirements of entry: Normally satisfactory performance in French 2 and a prolonged period of residence in France.

Assessment: Single Honours students take 8 x 15 credit courses (or equivalent) + 30 credit Dissertation + 90 credits in language over the two years. Language: two written language papers; two oral examinations in Senior Honours; a paper on Stylistics (end of Junior Honours) and a paper on video-based language analysis (Senior Honours). All language papers are weighted at 15 credits each and the proportion of total assessment for language is 37.5%. Content courses: see details of assessment of content courses under 'honours course prescription'. Content elements equivalent to 50% of the total assessment will be examined by class essays submitted during Junior and Senior Honours or end of term exams. 12.5% of assessment is by dissertation (8000-10,000 words), submitted at the end of week 0 of Senior Honours.

Degree Examination taken in: May/June

Aims: Wherever possible, to give the student as much choice for exploring aspects of French language, literature and culture as is consistent with staff availability; to consolidate and significantly develop the student's existing knowledge of French language, literature and culture; building on a period of extended residence abroad; to consolidate both written and oral language acquisition; to develop transferable analytical and presentational skills.

Honours Course Prescription: Throughout the two years of study students have regular written language and oral classes. Single Honours also follow courses in

Stylistics and Video and related language work. Content courses are chosen from the following: From Epic to Romance; Tricks and Tricksters in Medieval Narrative; Late Medieval Lyric Poetry; Ronsard and Rabelais: Renaissance Humour; Emblems; The Triumph of Theatre 1630-1680; Corneille Dramatist; The Tragedy of Racine; Molière; Illusion and Truth: from Montaigne to Voltaire; The Court of Versailles; Sexuality, Textuality and Society: The Eighteenth-century French novel; History in 19th-century Prose Fiction; Québec Politics and Culture; Bande Dessinée; L'Ecole de Brive: social change and identity in the modern novel; French Cinema; Recent French Social Thought; Sexualities I (Dissidence); Sexualities II (Sado-masochism); Remembering in 20th-century Fiction; Stagecraft and Witchcraft; Sharpened senses etc etc to pages of bodies; The 20th-century Novel; Women's Writing; Parallel Visions: Poetic Visuality/Screen Writing in French 20th-century Poetry and Cinema; 20thC French Thought; French Dialects; Le Français des Affaires; Le Français des Sciences sociales; Legal French; Modern Occitan Culture; Medieval and Renaissance Occitan Literature; TEFL. Content courses will normally be assessed by an essay or similar piece of work written at the end of term. In the case of French Dialects, Le Français des Affaires, Le Français des Sciences Sociales and Legal French, the course will not be assessed by the usual essay but by a mixture of appropriate language exercises (linguistic commentary, translation, video comprehension, résumé and synthesis) over the course of each term, both from and into French, some exercises being done under examination conditions.

Course Co-ordinator: Mr William Dickson

2HFW FRENCH LANGUAGE 3

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Tuesday and Wednesday at 12.00 noon and a further language class (choice of times)

Requirements of entry: This class would normally be followed by non-native Socrates students doing French as part of the degree for the home universities. Such students should consult the departmental Socrates co-ordinator, Mr Dickson.

Assessment: One three-hour written language paper of translations into (33.3%) and out of French (33.3%), plus an oral examination (33.3%). A minimum D grade to have been obtained in the written paper.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The oral and written assignments are designed to encourage autonomous learning, good time-management and analytical and communicative skills, which are highly valued in all spheres of employment.

Course Co-ordinator: Dr C Woollen

114G FRENCH 4H (JOINT)

(See: 114F FRENCH 3H (JOINT))

114J FRENCH 4H (SINGLE)

(See: 114H FRENCH 3H (SINGLE))

GERMAN

2HGU GERMAN LANGUAGE 1A

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Tuesday, Wednesday - 9.00 am; plus one further hour to be arranged.

Requirements of entry: The class is open only to students with an SCE Higher Pass in German at Grade A, B or C, or equivalent.

Excluded Courses: German Language 1B (Half)

Assessment: The examination will consist of a 2-hour paper and an oral test (66.6%). Continuous assessment (33.3%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Teaching Aims: The teaching staff for German Level 1A Language Component will endeavour to: (1) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (2) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (3) provide an environment where the language may be spoken confidently; (4) provide encouragement and opportunities to read difficult texts and to write the language formally and informally; (5) provide a forum where students may ask specific questions about the language and its usage; (6) encourage students to think critically help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (7) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (8) provide a forum where peer and self-assessment are used regularly; (9) provide a forum for individual and group work; (10) provide a forum for student presentations.

Course Co-ordinator: Prof Paul Bishop

2NEU GERMAN LANGUAGE 1B

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Tuesday, Wednesday, Thursday at 9.00 am.

Requirements of entry: Although the class is primarily intended for complete beginners it is open to all students who have insufficient qualifications to enter German 1A (i.e. those without a recent SCE Higher Pass in German at Grade A, B or C, or equivalent).

Excluded Courses: German Language 1A

Assessment: One 2-hour paper and an oral test (66.6%); continuous assessment (33.3%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The teaching staff for German Level 1B Language Component will endeavour to: (1) give students a working knowledge of German, covering all the basic structures of the language; (2) introduce and develop the four language skills (reading, writing, speaking and listening); (3) introduce the use of language reference materials; (4) help and encourage students to develop study skills, especially for self-study, including the use of IT and Multi-Media as well as traditional library materials.

Course Co-ordinator: Prof Paul Bishop

115B GERMAN LANGUAGE AND LITERATURE 1A

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: The class meets at 9.00 am from Tuesday to Friday; regular Sprachpraxis hours will be arranged, depending on staff resources in any one semester.

Requirements of entry: The class is open only to students with an SCE Higher Pass in German at Grade A, B, or C, or equivalent.

Excluded Courses: German Language, Culture and Society 1B

Assessment: Two 2-hour papers and oral test (66.6%); continuous assessment (33.3%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Language Component: The teaching staff for German Level 1A Language Component will endeavour to: (1) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (2) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (3) provide an environment where the language may be spoken confidently; (4) provide encouragement and opportunities to read difficult texts and to write the language formally and informally; (5) provide a forum where students may ask specific questions about the language and its usage; (6) encourage students to think critically; (7) help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (8) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (9) provide a forum where peer and self-assessment are used regularly; (10) provide a forum for individual and group work; (11) provide a forum for student presentations Literature, History and Culture. The teaching staff for German Level 1A Literature, History and Culture will endeavour to: (1) provide lectures on the literature, history and culture of the twentieth century; (2) provide a forum where students may develop listening and note-taking skills; (3) provide a forum and incentives for the development of critical thinking; (4) provide the opportunity to develop deep learning skills in a setting where students are encouraged to make active use of information gained; (5) provide a forum where students may ask specific questions related to the lectures; (6) provide a forum for student presentations alone or in groups; (7) encourage students to develop the skills of critical thinking and to express themselves in spoken andwritten form both in formal and informal settings; (8) encourage students to develop skills related to the considered, close-reading of a German text; (9) encourage students to take responsibility for their own learning.

Course Co-ordinator: Prof Paul Bishop

0XBU GERMAN LITERATURE 1A (LITERATURE ONLY/SYNERGY)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: The class meets at 9.00 am on Wednesday and Thursday. Weekly lecture and fortnightly seminar.

Requirements of entry: The class is open to Level 1B Language at Grade C or above; or SCE Higher Grade C or above, or equivalent qualification.

Assessment: One 2-hour paper and continuous assessment (33.3%).

Aims: The teaching staff for German Level 1A Literature will endeavour to: (1) provide lectures on the literature, history and culture of the twentieth century; (2) provide a forum where students may develop listening and note-taking skills; (3) provide a forum and incentives for the development of critical thinking; (4) provide the opportunity to develop deep learning skills in a setting where students are encouraged to make active use of information gained; (5) provide a forum where students may ask specific questions related to the lectures; (6) provide a forum for student presentations alone or in groups; (7) encourage students to develop the skills of critical thinking and to express themselves in spoken andwritten form both in formal and informal settings; (8) encourage students to develop skills related to the considered, close-reading of a German text; (9) encourage students to take responsibility for their own learning.

Course Co-ordinator: Prof Paul Bishop

7FMV GERMAN LANGUAGE & LITERATURE 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Tuesday to Friday at 11.00 am; plus tutorials to be arranged.

Requirements of entry: The class is open to students with a Grade D or above in Level 1A. Students in 1B who have gained at least a Grade B may be admitted to Level 2 after consultation with the Head of Department.

Assessment: Two 2-hour papers and an oral test (66.6%); continuous assessment (33.3%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Language Component: The teaching staff for German Level 2 Language will endeavour to: (1) continue the work of the Level 1A and Level 1B classes; (2)

systematically consolidate and advance formal knowledge of grammar and its linguistic application in translation, as well as developing oral skills; (3) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (4) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (5) provide an environment where the language may be spoken confidently; (6) provide an environment and opportunities to read difficult texts and to write the language in formal settings; (7) provide an opportunity where students may ask specific questions about the language and its usage; (8) encourage students to think critically; (9) help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (10) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (11) provide an opportunity where peer and self-assessment are used regularly; (12) provide an opportunity for individual and group work; (13) provide an opportunity for student presentations. The teaching staff for German Level 2 Literature and Culture will endeavour to: (1) provide lectures on the literature, history and culture of Germany in the late eighteenth and in the nineteenth centuries which seek to provide an overview of developments in thought and aesthetics; (2) provide an opportunity for students to enhance listening and note-taking skills; (3) provide an opportunity and incentives for the continued development of critical thinking; (4) provide the opportunity to develop deep learning skills in a setting where students are encouraged to make active use of information gained; (5) provide an opportunity for students to refine their understanding of lectures; (6) provide an opportunity for student presentations alone or in groups; (7) encourage students to develop the skills of critical thinking and to express themselves in spoken and written form both in formal and informal settings.

Course Co-ordinator: Prof Paul Bishop

7ERV GERMAN LANGUAGE 2

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Wednesday, Thursday - 11.00 am; plus one further hour to be arranged.

Requirements of entry: German Language 1A at grade D or grade B in German Language 1B.

Assessment: One 2-hour paper and an oral test (66.6%); continuous assessment (33.3%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The teaching staff for German Level 2 Language will endeavour to: (1) continue the work of the Level 1A and Level 1B classes; (2) systematically consolidate and advance formal knowledge of grammar and its linguistic application in translation, as well as developing oral skills; (3) provide an environment where existing knowledge of vocabulary, grammar and language structure can be built upon while providing an incentive to increase such knowledge; (4) provide opportunities for students to become aware of the formal structures of the language which can enable a considered use of the language; (5) provide an environment where the language may be spoken confidently; (6) provide an environment and opportunities to read difficult texts and to write the language in formal settings; (7) provide an opportunity where students may ask specific questions about the language and its usage; (8) encourage students to think critically; (9) help and encourage students to develop self-study skills, including the use of IT and Multi-Media as well as traditional library materials; (10) encourage students to take responsibility for their weaknesses in study-skills and provide methods and materials to remedy any such weakness; (11) provide an opportunity where peer and self-assessment are used regularly; (12) provide an opportunity for individual and group work; (13) provide an opportunity for student presentations.

Course Co-ordinator: Prof Paul Bishop

115F GERMAN 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Thursday, Friday - 3.00 pm. Further hours to be arranged.

Requirements of entry: The prerequisite for admission to German Honours (both Single and Joint) is a good pass in German Level 2 at Band C or better. Students with a Band D pass may be admitted after interview with the Head of Department.

Assessment: Five 2 hour papers or 4 papers and a dissertation and an oral (66.6%). Continuous assessment of coursework: language, essays and literature (33.3%).

Degree Examination taken in: May/June

Aims: The teaching staff for Honours will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German language; (2) impart an in-depth knowledge of aspects of German language, literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers and researchers; (6) stimulate and promote an enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

Honours Course Prescription: All the compulsory courses listed in German 3H/4H (Single) and two optional courses one in the 3H year and one in the 4H year.

Course Co-ordinator: Prof Roger Stephenson

115H GERMAN 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Core-lecture courses will always meet at 3.00 pm. Further hours to be arranged

Requirements of entry: The prerequisite for admission to German Honours (both Single and Joint) is a good pass in German Level 2 at Band C or better. Students with a Band D pass may be admitted after interview with the Head of Department.

Assessment: Eight 2-hour papers or seven papers and a dissertation; two orals (66.6%). Continuous assessment of year's work: language, essays and literature (33.3%).

Degree Examination taken in: May/June

Aims: The teaching staff for Honours will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German language; (2) impart an in-depth knowledge of aspects of German language, literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers and researchers; (6) stimulate and promote an enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

Honours Course Prescription: Compulsory courses: Prose Translation I; Prose Translation II; 'Sprachpraktikum' I; 'Sprachpraktikum' II; Additional Language Class; Heinrich Von Kleist: Selected Works; Nietzsche: Also Sprach Zarathustra; Stories by Thomas Mann and Kafka; Lessing; 19th Century Realism: Keller and Storm; the Cultural and Educational Theory of Weimar Classicism. Options: Novel I; Novel II; Post-1950 German Literature I; Post-1950 German Literature II; German Women Writers in the Age of Goethe; Grimms' Marchen; Modern German Thought I: Habermas; Modern German Thought II: Freud and Jung; Interpreting Skills; Teaching English as a Foreign Language; The Romantic Novel; German Modernist Poetry; Durrenmatt; Middle High German Literature; Faust II; Goethe's Wilhelm Meister.

Course Co-ordinator: Prof Roger Stephenson

2HGW GERMAN LANGUAGE 3A

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 3 language hours at times to be arranged

Requirements of entry: German Language 2 at grade D.

Assessment: One 2-hour paper and an oral test (66.67%). Continuous assessment (33.33%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The teaching staff will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German Language; (2) impart an in-depth knowledge of the German language and aspects of literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers and researchers; (6) stimulate and promote enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

Course Co-ordinator: Prof Roger Stephenson

115D GERMAN LANGUAGE AND LITERATURE 3A

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily. Language: 3 hours per week plus literature options. Times to be arranged.

Requirements of entry: German Language and Literature 2 at grade D.

Assessment: Two 2 hour papers and an oral (66.67%). Course work: language, essays and literature (33.3%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The teaching staff will endeavour to: (1) foster a thorough, accurate knowledge and considered application of the German Language; (2) impart an in-depth knowledge of the German language and aspects of literature and culture; (3) encourage students to work effectively and grow in their ability to take responsibility for their own learning; (4) enable students to acquire the necessary generic skills which will equip them as life long learners outwith the University and which are both prized by employers and of benefit in a changing global society; (5) realise the potential for students to become future leaders, teachers and researchers; (6) stimulate and promote enthusiasm for German and its study in an atmosphere conducive to the pursuit of scholarship.

Course Co-ordinator: Prof Roger Stephenson

115G GERMAN 4H (JOINT)

(See: 115F GERMAN 3H (JOINT))

115J GERMAN 4H (SINGLE)

(See: 115H GERMAN 3H (SINGLE))

HISPANIC STUDIES

226B PORTUGUESE 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Daily at 4pm.

Requirements of entry: This is a beginners course requiring no previous knowledge of Portuguese; knowledge of another foreign language is, however, an advantage.

Excluded Courses: Portuguese 1 (Language) (2KCU)

Assessment: Two language tests in the course of the year (15% of total); oral/comprehension test in semester 2 (15%). Final examination: Paper 1, language; Paper

2, literature and culture (35% each). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to consolidate the student's abilities in written and spoken Portuguese, to introduce him/her to the literature of modern Portugal and Brazil, and to inform him/her of historical and cultural developments in all the Portuguese speaking countries.

Course Co-ordinator: Mr Michael Harland

2KCU PORTUGUESE 1 (LANGUAGE)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Thursday at 4pm.

Requirements of entry: This is a beginners course requiring no previous knowledge of Portuguese; knowledge of another foreign language is, however, an advantage.

Excluded Courses: Portuguese 1 (226B)

Assessment: Two language tests in the course of the year (15% of total); oral/comprehension test in semester 2 (15%). Final examination: one language paper (70%). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to enable the student both to communicate effectively in written and spoken Portuguese employing a broad range of tenses and structures, as well as to understand Portuguese in a variety of contexts and across a range of accents and vocabulary.

Course Co-ordinator: Mr Michael Harland

380B SPANISH 1A

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Daily at 3pm. Two language classes per week (Wednesday, Friday); history (Thursday); literature lecture (Monday); literature tutorial (Tuesday).

Requirements of entry: Normally SCE Higher or equivalent - this may include residence in a Spanish-speaking country.

Excluded Courses: Spanish 1B (381B), Spanish 1B (Language) (2NHU), Spanish 1A (Language) (2JLU)

Assessment: Two class language tests in the course of the year (12.5% of total); two extended essays (12.5%). Final examination: Paper 1, language; Paper 2, literature and history (30% each). Oral examination (15%). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to consolidate your abilities in written and spoken Spanish, to introduce you to the literature of modern Spain and Spanish-America, and to inform you of recent historical developments in Spain and Latin America.

Course Co-ordinator: Prof Michael Gonzalez

2JLU SPANISH 1A (LANGUAGE)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Wednesday and Friday at 3pm.

Requirements of entry: Normally SCE Higher or equivalent - this may include residence in a Spanish-speaking country.

Excluded Courses: Spanish 1B (Language) (2NHU), Spanish 1B (381B), Spanish 1A (380B)

Assessment: Two class language tests in the course of the year (25% of total). Final examination: one language paper (60%). Oral examination (15%). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course is designed to consolidate your abilities in written and spoken Spanish The syllabus is the language work of the 1A class offered in the Faculty of Arts (380B).

Course Co-ordinator: Prof Michael Gonzalez

381B SPANISH 1B

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Semester 1: Language - Monday 3pm, Tuesday 1pm, Thursday 3pm, Friday 1pm. Students must attend all four classes. Semester 2: Tuesday and Friday 1pm (Language), Monday, Thursday and Friday at 3pm. Literature tutorial on Monday at 1pm in the second half of semester 2.

Requirements of entry: Normally some evidence of language learning, i.e. study of a foreign language, residence in a Spanish-speaking country or completion of Access course.

Excluded Courses: Spanish 1A (380B), Spanish 1A (Language) (2JLU), Spanish 1B (Language) (2NHU)

Assessment: Two language tests in the course of the year (12.5% of total), two extended course essays (12.5%). Final examination: Paper 1 - Language; Paper 2 - Language, Literature and History (30% each). Oral examination (15%). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enable students to reach a reasonable level of communicative competence in Spanish, both spoken and written, and an ability to read and understand the language in some depth; to provide an introduction to the literature and history of the Spanish-speaking world, through the study of various texts in Spanish and an examination of areas of contemporary experience in Spain and Latin America; to prepare students to continue Spanish to second level if they wish.

Course Co-ordinator: Prof Michael Gonzalez

2NHU SPANISH 1B (LANGUAGE)

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Semester 1: Monday 3pm, Tuesday 1pm, Thursday 3pm, Friday 1pm. Students must attend all four classes. Semester 2: Tuesday and Friday at 1pm.

Requirements of entry: Normally some experience of language learning, i.e.study of a foreign language, residence in a Spanish-speaking country or completion of Access course.

Excluded Courses: Spanish 1A (380B), Spanish 1A (Language) (2JLU), Spanish 1B (381B)

Assessment: Two language tests in the course of the year (25% of total). Final examination: one language paper (60%). Oral examination (15%). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To enable students to reach a reasonable level of communicative competence in Spanish, both spoken and written, and an ability to read and understand the language in some depth. The syllabus is the language-instruction component of the 1B course offered in the Faculty of Arts, (381B).

Course Co-ordinator: Prof Michael Gonzalez

0SZV PORTUGUESE 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: One hour at 1pm daily

Requirements of entry: Grade C or above at Portuguese 1 or Portuguese Language 1 and permission of Section Convener.

Excluded Courses: Portuguese 2 (Language) (0UBV)

Assessment: One language test in semester 1 (10% of total); oral test in semester 2 (10%); project/essay in semester 2 (20%). Final examination: Paper 1, language; Paper 2, literature (30% each).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (i) to build on the spoken and written linguistic skills acquired by students in Portuguese 1, which will also prepare them for the more advanced requirements of the Portuguese elements in the Honours Course; (ii) to extend their knowledge and awareness of the social, cultural and literary heritage of the principal Portuguese-speaking nations, which will also provide a background for studying the associated Portuguese options at Honours Level; (iii) to allow students to improve their communicative and creative skills through active participation in class discussions and group project work

Course Co-ordinator: Mr Michael Harland

0UBV PORTUGUESE 2 (LANGUAGE)

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: One hour at 1pm on 3 days per week

Requirements of entry: Grade C or above at Portuguese 1 or Portuguese Language 1 and permission of Section Convener.

Excluded Courses: Portuguese 2 (0SVZ)

Assessment: One language test in semester 1 (20% of total); one oral test in semester 2 (20%). Final examination: one language paper (60%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (i) to build on the spoken and written linguistic skills acquired by students in Portuguese 1, which will also prepare them for the more advanced requirements of the Portuguese elements in the Honours Course; (ii) to allow students to improve their communicative skills through active participation in class discussions

Course Co-ordinator: Mr Michael Harland

7FLV SPANISH 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Daily at 2pm, Friday at 10am and one oral class to be arranged.

Requirements of entry: A pass in Spanish 1A (Grade D or above) or Spanish 1B (Grade C or above). Students entering from Spanish 1B will be required to complete a short bridging course. Students with a good pass at GCE A Level may also enter Spanish 2 directly.

Assessment: Language course assessment (11% of total); literature assignment (11%); option (16.5%); oral comprehension test (16.5%). Final examination: Paper 1 - Language; Paper 2 - Literature/History/History of Language (45%). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course will develop students' skills in written and spoken Spanish and extend their engagement with literature in the language. There will be a short course on the Society and Institutions of Cataluna in Semester 2. In addition, students may choose between a year-long course in the History of the Spanish language and a group-based History project.

Course Co-ordinator: Dr Brigida Pastor

7EPV SPANISH LANGUAGE 2

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Tuesday and Friday at 2pm and oral class to be arranged.

Requirements of entry: A pass in Spanish 1A or Spanish 1A Language (Grade D or above) or Spanish 1B or Spanish 1B Language (Grade C or above). Students entering from Spanish 1B will be required to complete a short bridging course. Students with a good pass at GCE A Level may also enter Spanish 2 Language directly.

Excluded Courses: Spanish 2 (380C)

Assessment: Language course assessment (22% of total); oral comprehension test (33%). Final examination: one language paper (45%). Mid year exit: assessment will be based on the first language test.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course will develop students' skills in written and spoken Spanish, extending the range of linguistic activities.

Course Co-ordinator: Dr Brigida Pastor

8VTW HISPANIC STUDIES 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Friday 9am - Spanish language class plus an oral class to be arranged. Students will select some additional courses from those available in the department.

Requirements of entry: Spanish 2 at grade D or above.

Assessment: Dependent on options chosen oral test and either examination or course assessment or mix of both.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop the students' language skills, written and spoken, in Spanish or Portuguese or Catalan. To extend the range of skills and knowledge of students through involvement in Honours level content courses.

Course Co-ordinator: Ms Helena Martin

2JLW HISPANIC STUDIES 3 (LANGUAGE)

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Two or three hours per week, depending on student selection of available options.

Requirements of entry: Spanish 2 or Spanish 2 (Language) at Grade D or above.

Assessment: Dependent on options chosen, written and oral examinations.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop the students' language skills, written and spoken, in Spanish or Portuguese or Catalan.

Course Co-ordinator: Ms Helena Martin

119H HISPANIC STUDIES 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 9 am, 11 am, 2 pm and other hours to be arranged. The exact timetable depends on options chosen.

Requirements of entry: Hispanic Studies 2 at Grade C or above and a qualification in Portuguese acceptable to the Department. Residence during preceding year in a Spanish or Portuguese speaking country.

Assessment: Completion of work for initial background unit by end of term 1 of Junior Honours plus 17 further course units by end of Senior Honours oral examinations in Spanish and Portuguese.

Degree Examination taken in: May/June

Aims: The principal aims of the Programme are: to foster an in-depth appreciation of the distinctive features of the languages and associated literatures and cultures of the Spanish and Portuguese-speaking world; to promote awareness of the linguistic and cultural diversity of the Iberian Peninsula and Latin America; to develop through an appropriate variety of linguistic exercises a thorough knowledge and application, in both written and spoken contexts, of the target languages - Spanish, Portuguese and Catalan; to impart to students - through lectures, seminars, tutorials and individual consultations - a well-founded knowledge of the Hispanic literatures and, equally, an understanding of the issues involved in their study; to provide students with regular access to a range of different learning resources and facilities, traditional and computerised, in libraries and language-laboratories, through which to study the relevant languages, literatures and cultures; to encourage students to undertake independent study, to exercise individual judgement in matters of curriculum choice and to be responsible for creating their own pattern of learning; to supply students with diverse generic and transferable skills in analysis, coordination and communication; to instil an enthusiasm for their subject. All of this training will equip students for more advanced study of their chosen discipline, if appropriate, and for their continued pursuit of learning and its application in professional occupations, whatever their specific career.

Honours Course Prescription: Students take: Spanish Language (3 units); Portuguese Language (3 units); The Hispanic Experience; a dissertation plus a further ten units chosen from a range available in Linguistic, Literary and Cultural/Historical areas of study.

Course Co-ordinator: Dr Paul Donnelly

119F HISPANIC STUDIES JOINT HONOURS (JUNIOR AND SENIOR HONOURS)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 9 am, 11am and 2 pm and other hours to be arranged. The exact timetable depends on options chosen.

Requirements of entry: Hispanic Studies 2 at Grade C or above and a qualification in Portuguese acceptable to the Department. Residence during preceding year in a Spanish or Portuguese speaking country or (if joint with another language) in another country corresponding to other language.

Assessment: Completion of work for initial background unit by end of Term 1 of Junior Honours plus 8 further course units by end of Senior Honours; oral examinations in Spanish and Portuguese.

Degree Examination taken in: May/June

Aims: The principal aims of the Programme are: to foster an in-depth appreciation of the distinctive features of the languages and associated literatures and cultures

of the Spanish and Portuguese-speaking world; to promote awareness of the linguistic and cultural diversity of the Iberian Peninsula and Latin America; to develop through an appropriate variety of linguistic exercises a thorough knowledge and application, in both written and spoken contexts, of the target languages - Spanish, Portuguese and Catalan; to impart to students - through lectures, seminars, tutorials and individual consultations - a well-founded knowledge of the Hispanic literatures and, equally, an understanding of the issues involved in their study; to provide students with regular access to a range of different learning resources and facilities, traditional and computerised, in libraries and language-laboratories, through which to study the relevant languages, literatures and cultures; to encourage students to undertake independent study, to exercise individual judgement in matters of curriculum choice and to be responsible for creating their own pattern of learning; to supply students with diverse generic and transferable skills in analysis, coordination and communication; to instil an enthusiasm for their subject. This training will equip students for more advanced study of their chosen discipline, if appropriate, and for their continued pursuit of learning and its application in professional occupations, whatever their specific career.

Honours Course Prescription: Students take: Spanish Language (1.5 units); Portuguese Language (1.5 units); The Hispanic Experience, plus a further five units chosen from a range available in Linguistic, Literary and Cultural/Historical areas of study.

Course Co-ordinator: Dr Paul Donnelly

119J HISPANIC STUDIES 4H (SINGLE)

(See: 119H HISPANIC STUDIES 3H (SINGLE))

119G HISPANIC STUDIES JOINT HONOURS (JUNIOR AND SENIOR HONOURS)

(See: 119F HISPANIC STUDIES JOINT HONOURS (JUNIOR AND SENIOR HONOURS))

ITALIAN

121B ITALIAN 1A

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Daily - 2.00 pm; plus possible other times to be arranged

Requirements of entry: At least grade D in SCE Higher Italian or equivalent

Assessment: Two 2-hour papers and an oral examination (75%); Continuous Assessment (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To consolidate and build upon students' existing knowledge of the Italian language, both practical and theoretical; to introduce students to contemporary Italy from a cultural and historical viewpoint: Literature (three novels); Modern Italian History; Culture and Society in Modern Italy; to introduce students to the critical analysis of ideas and arguments and to encourage them to study independently.

Course Co-ordinator: Miss Arabella Infantino

1B2B ITALIAN 1B

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Daily at 2.00 pm; plus weekly tutorial and oral skills classes to be arranged. (There may be a 10.00 am alternative to the 2.00 pm class on Monday, Tuesday, and Thursday)

Requirements of entry: Evidence of linguistic ability (e.g. qualification in another foreign language). Otherwise, consult Department before enrolling.

Assessment: Two 2-hour papers and an oral examination (75%); Continuous assessment (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a thorough grounding for beginners in the basic grammatical structures of Italian, to develop practical communication skills (written and spoken) and to prepare students for reading and comprehension of literary texts; to introduce contemporary Italy from a historical and cultural viewpoint (Modern Italian History; Culture and Society in Modern Italy); to introduce students to the critical analysis of ideas and arguments and to encourage them to study independently.

Course Co-ordinator: Miss Arabella Infantino

2HKU ITALIAN LANGUAGE 1A

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: 3 hours weekly, to be arranged (some at 2.00 pm).

Requirements of entry: At least grade D in SCE Higher Italian or equivalent

Assessment: One 2-hour paper and oral examination (75%); Continuous Assessment (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To consolidate and build upon students' existing knowledge of the Italian language, both practical and theoretical.

Course Co-ordinator: Miss Arabella Infantino

1C2B ITALIAN LANGUAGE 1B

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Thursday at 2.00 pm (or possible alternative at 10.00 am) plus times to be arranged.

Requirements of entry: Evidence of linguistic ability (e.g. qualification in another foreign language). Otherwise, consult Department before enrolling.

Assessment: One 2-hour paper and oral examination (75%); Continuous assessment (25%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To provide a thorough grounding for beginners in the basic grammatical structures of Italian and to develop practical communication skills (written and spoken).

Course Co-ordinator: Miss Arabella Infantino

7FJV ITALIAN 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Mon, Tues, Wed, Fri at 10.00, and Thur at 4.00

Requirements of entry: Italian 1A grade D or Italian 1B normally at grade B plus extra assignments.

Assessment: Two 2-hour papers and an oral examination (total 66.66%); Coursework (33.33%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To build on the grammatical overview and practical language work of Level 1 in order to develop in depth and in breadth students' proficiency in Italian. To introduce students to literary texts representing different periods and genres and to help students develop interpretative and critical skills through detailed study of these texts. To introduce students to a range of Italian films representing different themes in Italian culture and different cinematic approaches. To encourage students to think critically and acquire skills of analysis and argument, and to grow in intellectual maturity and develop the ability to work independently.

Course Co-ordinator: Dr Eanna O'Ceallachain

7EFV ITALIAN LANGUAGE 2

Credits: 20 *Level:* 2

When Taught: Full Session (September - June)

Timetable: 3 hours weekly, times to be arranged (some at 10.00 am).

Requirements of entry: Italian Language 1A grade D or Italian Language 1B normally grade B plus extra assignments.

Assessment: One 2-hour paper and oral examination (75%); Continuous assessment (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To build on the language work of level 1 (grammar and practical skills) to develop in depth and breadth students' proficiency in Italian.

Course Co-ordinator: Dr Eanna O'Ceallachain

121F ITALIAN 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 11.00 am and other times to be arranged.

Requirements of entry: Grade C in Italian Level 2 coursework and examination; year abroad in Italy

Assessment: Coursework (33.3%), Final examination (66.6%). 5 written papers (one language, two core literature, two options - or one option plus dissertation) and oral examination.

Degree Examination taken in: May/June

Aims: To develop students' proficiency in Italian to the point of fluency (written and spoken); to offer a survey of Italian literature and culture from the origins to the present, allowing students to build up specialist knowledge in some chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped with skills of independent research and analysis; that they develop a mature, responsible approach to a range of tasks.

Honours Course Prescription: (Subject to approval) Joint Honours students take: Written Italian; Spoken Italian; and 4 of the following Options (two in 3H, two in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Italian Narrative Texts; Plotting the Linguistic Map of Europe; Eighteenth Century Italian Theatre; Dissertation.

Course Co-ordinator: Dr Penelope Morris

121H ITALIAN 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 11.00 am and other times to be arranged.

Requirements of entry: Grade C in Italian Level 2 coursework and examination; year abroad in Italy

Assessment: Coursework (33.3%), Final examination (66.6%). Ten papers (two core language, two core literature, six options) plus dissertation and oral examinations.

Degree Examination taken in: May/June

Aims: To develop students' proficiency in Italian to the point of fluency (written and spoken); to offer a survey of Italian literature and culture from the origins to the present, allowing students to build up specialist knowledge in some chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped with skills of independent research and analysis; that they develop a mature, responsible approach to a range of tasks.

Honours Course Prescription: [Subject to approval] Single Honours students take: Written Italian; Spoken Italian; Italian Junior Language Project; Italian Senior Language Project, Italian Dissertation; and all of the following courses (four in 3H, four in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Plotting the Linguistic Map of Europe; Eighteenth Century Italian Theatre; Italian Narrative Texts.

Course Co-ordinator: Dr Penelope Morris

121W ITALIAN LEVEL 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Language: 3 hours weekly to be arranged, including some at 11:00, Options 2 hours weekly, depending on Option choice.

Requirements of entry: Normally Grade C or better in Italian 2 (full 60 credits). Students with other qualifications in Italian may be considered for admission at the discretion of the Head of Department/Section.

Assessment: Examination 66.66%, Coursework 33.33%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop in depth and breadth students' exisiting proficiency in spoken and written Italian; To allow students to gain a detailed understanding of certain texts and topics chosen from the available Italian Honours Options; To equip students to think critically and develop skills of analysis and argument to a high level; to equip them with skills of independent study and research, encouraging them to develop a mature, responsible approach to a range of tasks.

Course Co-ordinator: Dr Penelope Morris

2HKW ITALIAN LEVEL 3 LANGUAGE

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: 3 hours weekly to be arranged, including some at 11.00

Requirements of entry: Normally Grade C or better in Italian 2 (full 60 credits) or Italian Language 2 (30 credits). Students with other qualifications in Italian may be considered for admission at the discretion of the Head of Department/Section.

Assessment: Examination 66.66%; Coursework 33.33%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To develop in depth and breadth students exisiting proficiency in spoken and written Italian; to equip them with skills of independent study, encouraging them to develop a mature, responsible approach to a range of tasks.

Course Co-ordinator: Dr Penelope Morris

121G ITALIAN 4H (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Daily at 11.00 am and other times to be arranged.

Requirements of entry: Students should have been admitted to Italian 3H (Joint) for the previous session and should have completed 3H coursework.

Assessment: Coursework (33.3%), Final examination (66.6%). 5 written papers (one language, two core literature, two options - or one option plus dissertation) and oral examination.

Degree Examination taken in: May/June

Aims: To develop students' proficiency in Italian to the point of fluency (written and spoken); to offer a survey of Italian literature and culture from the origins to the present, allowing students to build up specialist knowledge in some chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped with skills of independent research and analysis; that they develop a mature, responsible approach to a range of tasks.

Honours Course Prescription: (Subject to approval) Joint Honours students take: Written Italian; Spoken Italian; and 4 of the following Options (two in 3H, two in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Italian Narrative Texts; Plotting the Linguistic Map of Europe; Eighteenth Century Italian Theatre; Dissertation.

Course Co-ordinator: Dr Penelope Morris

121J ITALIAN 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Daily at 11.00 am and other times to be arranged.

Requirements of entry: Students should have been admitted to Italian 3H (Single) for the previous session and should have completed 3H coursework.

Assessment: Coursework (33.3%), Final examination (66.6%). Ten papers (two core language, two core literature, six options) plus dissertation and oral examinations.

Degree Examination taken in: May/June

Aims: To develop students' proficiency in Italian to the point of fluency (written and spoken); to offer a survey of Italian literature and culture from the origins to the present, allowing students to build up specialist knowledge in some chosen areas; to ensure that students think critically and communicate articulately in Italian and in English; that they are equipped with skills of independent research and analysis; that they develop a mature, responsible approach to a range of tasks.

Honours Course Prescription: (Subject to approval) Single Honours students take: Written Italian; Spoken Italian; Italian Junior Language Project; Italian Senior Language Project, Italian Dissertation; and all of the following courses (four in 3H, four in 4H): The Resistance to Fascism, 1943-45; Italian Modernism; Modern Italian Poetry; Italian Translation Methodology; Women in Modern Italy; Plotting the Linguistic Map of Europe; Eighteenth Century Italian Theatre; Italian Narrative Texts.

Course Co-ordinator: Dr Penelope Morris

SLAVONIC STUDIES

1KCB CZECH 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Normally five hours weekly at times to be arranged

Requirements of entry: Normally the standard of SQA Higher or its equivalent in either a classical or a modern foreign language.

Assessment: There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50% of the final mark); b) appropriate writing project/s (2 in number) and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25% of the final mark); c) a short oral exam (c. 10-15 minutes) at the end of the year (25% of the final mark).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) a sound basic knowledge of the Czech language and the more important fundamentals of Czech grammar; (2) basic speaking, writing and listening skills in Czech; (3) an active vocabulary of c.1000 words and a passive vocabulary of c2000 words; (4) access to a range of learning resources for the purpose of studying Czech language and culture.

Course Co-ordinator: Ms Ilona Klemm

1KFB POLISH 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Normally five hours weekly at times to be arranged.

Requirements of entry: Normally the standard of SQA Higher or its equivalent in either a classical or a modern foreign language.

Assessment: There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50% of the final mark); b) appropriate writing project/s (2-4 in number) and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25% of the final mark); c) a short oral exam (c. 10-15 minutes) at the end of the of the year (25% of the final mark)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with: (1) a sound basic knowledge of the Polish language and the more important fundamentals of Polish grammar; (2) basic speaking, writing and listening skills in Polish; (3) an active vocabulary of c.1,000 words and a passive vocabulary of c2000 words; (4) access to a range of learning resources for the purpose of studying Polish language and culture.

Course Co-ordinator: Dr Elwira Grossman

1K2B RUSSIAN 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday and Thursday at 1.00 pm with one further class to be arranged.

Requirements of entry: Normally the standard of SQA Higher or its equivalent in either a classical or a modern foreign language.

Assessment: There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50% of the final mark); b) appropriate writing project/s (2 in number) and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25% of the final mark); c) a short oral exam (c. 10-15 minutes) at the end of the year (25% of the final mark)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) a sound basic knowledge of the Russian language and the more important fundamentals of Russian grammar; (2) basic translation, speaking, writing and listening skills in Russian; (3) an active vocabulary of c.1000 words and a passive vocabulary of 2-3000 words; (4) access to a range of learning resources for the purpose of studying Russian language and culture.

Course Co-ordinator: Dr Margaret Tejerizo

0SLU SLAVONIC STUDIES 1B: (POST)STALINISM AND CINEMA

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Mondays, Tuesdays and Thursdays at 2.00 p.m.

Assessment: 1 Class Essay (33% of the final mark); End-of-course Examination (2 hours): 66% of the final mark.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to: 1: provide students with a broad knowledge of the major achievements in Czech, Russian and Polish cinema from the 1960s to the present and to relate them to the cultural and political developments in the post-war period; 2: impart to students an in-depth knowledge of selected directors and their major works; 3: develop students' ability to analyse cinematic works; 4: develop students' ability to work effectively, and to supplement their acquisition of generic and transferable skills which will be of use in later life.

Course Co-ordinator: Dr Andrei Rogatchevski

0SKU SLAVONIC STUDIES LEVEL 1A: WRITERS AND COMMUNISM

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Mondays, Tuesdays, and Thursdays at 2 p.m.

Assessment: 1 Essay (33% of the final mark); End-of-course examination (2 hours): 66% of the final mark.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course is intended to: (1) provide students with a broad knowledge of developments in Russian, Czech and Polish literature, politics and society under Communist Party rule; (2) impart to students an in-depth knowledge of selected key authors and works of Russian, Czech and Polish literature (in English translation) from the period, particularly in relation to the doctrine of Socialist Realism; (3) develop students' ability to work effectively as well as to further the acquisition of generic transferable skills which will be of value in later life.

Course Co-ordinator: Dr Jan Culik

7FYV CZECH 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Normally four hours weekly at times to be arranged

Requirements of entry: Grade D or better in Czech 1

Assessment: There will be: a) 1 two-hour written exam at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50%); b) appropriate writing projects (2 in number) and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on the size of groups (25%); c) a short oral exam 25%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) practical competence in the Czech language; (2) translation and comprehension skills; (3) free composition skills in Czech; (4) oral communication skills in Czech.

Course Co-ordinator: Ms Ilona Klemm

7GBV POLISH 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Normally four hours weekly at times to be arranged.

Requirements of entry: Grade D or better in Polish 1

Assessment: Polish will be brought into line with Czech and Russian, which have established a norm of 4 progress tests throughout the year, rather than the single mid-year test currently required. This will not change the overall assessment weighting.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) practical competence in the Polish language; (2) translation and comprehension skills; (3) free composition skills in Polish; (4) oral communication skills in Polish.

Course Co-ordinator: Dr John Bates

7GDV RUSSIAN 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Normally Monday, Tuesday, Thursday and Friday at 3.00 pm.

Requirements of entry: Grade D or better in Russian 1 or a good pass at A-level or SQA Higher Russian (or equivalent)

Assessment: There will be: a) 1 two-hour written exam to be held at the end of the year which will test grammar, vocabulary, translation and comprehension skills (50%); b) appropriate writing project/s (2 in number) and/or class tests (up to 10 in number) for formal assessment throughout the year, depending on size of groups (25%); c) a short oral exam (25%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with: (1) practical competence in the Russian language; (2) translation and comprehension skills; (3) free composition skills in Russian; (4) oral communication skills in Russian.

Course Co-ordinator: Dr Andrei Rogatchevski

0SMV SLAVONIC STUDIES 2A: LITERATURE IN THE AGE OF IMPERIALISM

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Mondays, Tuesdays and Thursdays at 4.00 p.m.

Requirements of entry: Students can enter this course directly.

Assessment: 1 Class Essay (33.33% of the final mark); End-of-course Examination (2 hours): 66.67% of the final mark.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: This course is intended to: 1: provide students with a broad knowledge of developments in Czech, Russian and Polish literature, politics and society in the nineteenth century; 2: impart to students an in-depth knowledge of selected key authors and works of Czech, Russian and Polish literature (in English translation) from the period; 3: develop students' ability to analyse literary works; 4: increase students' ability to work effectively, and to supplement their acquisition of generic and transferable skills which will be of value in later life.

Course Co-ordinator: Dr Margaret Tejerizo

0SHV SLAVONIC STUDIES 2B: CULTURE IN THE AGE OF GLOBALIZATION

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Mondays, Tuesdays, and Thursdays at 4.00 p.m.

Requirements of entry: Any student having satisfactorily completed Level 1 courses at the University may be

admitted to this course at the discretion of the Convener of the Slavonic Studies Section of the School of Modern Languages and Cultures.

Co-requisites: None

Assessment: 1 Class Essay (c. 2,000 words). This would be worth one-third of the total marks. 1 two-hour End-of-course Examination. This would consist of two essays, each worth one-third of the total marks.

Aims: This course is intended to: provide students with a broad knowledge of developments in Czech, Polish and Russian culture, politics and society after 1989; impart to students an in-depth knowledge of selected Czech, Polish and Russian cultural phenomena (in English translation) from the period; develop students' ability to analyse works of literature, cinema and media; increase students' ability to work effectively, as well as to enhance their acquisition of generic and transferable skills which will be of value in later life.

Course Co-ordinator: Dr Elwira Grossman

111D CZECH 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Five hours per week at times to be arranged.

Requirements of entry: Grade D or better in Czech 2

Assessment: Students should note that a system of mixed-mode assessment operates in Czech 3 and consists of a language project, a two-hour end of course exam, an oral exam and three literature projects.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) a thorough and accurate knowledge of the Czech language; (2) advanced translation skills; (3) writing skills in Czech; (4) oral communication in Czech; (5) a sound knowledge of several short works of Czech literature across the three genres (poetry, short fiction and drama).

Course Co-ordinator: Ms Ilona Klemm

111F CZECH 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Seven hours per week at times to be arranged.

Requirements of entry: Grade D or better in Czech 2.

Assessment: A combination of course assessment and examinations normally taken at the end of 4H.

Degree Examination taken in: May/June

Aims: This course aims to: (1) provide students with a thorough knowledge of modern standard Czech; (2) develop translation skills, as well as the skills of aural, oral and written communication in Czech to a very high level; (3) impart to students an in-depth knowledge of Czech literature, history and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods; with considerable attention being paid to older periods of Czech history, when significant cultural achievements took place; (4) increase students' ability to work effectively, as well as to futher their acquisition of generic and transferable skills which will be of value in later life.

Honours Course Prescription: All of: Translation from Czech into English; Translation from English into Czech and Essay in Czech; Early Czech Literature; Modern Czech Literature; Oral in Czech; and options to the value of 30 credits.

Course Co-ordinator: Dr Jan Culik

2HEW CZECH LANGUAGE 3

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Normally three hours per week at times to be arranged

Requirements of entry: Grade D or better in Czech Language 2

Assessment: Students should note that a system of mixed-mode assessment operates in Czech Language 3. The End-of-Course Examination consists of two two-hour written papers (Paper 1 Translation from and into Czech; Paper 2 Essay in Czech; an oral examination and a Dissertation/Language Project. The oral examination is weighted at the equivalent of half a paper and the Dissertation as the equivalent of one paper.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) a thorough and accurate knowledge of the Czech language; (2) advanced translation skills; (3) writing skills in Czech; (4) oral communication in Czech.

Course Co-ordinator: Ms Ilona Klemm

123D POLISH 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Normally three hours weekly at times to be arranged.

Requirements of entry: Grade D or better in Polish 2

Assessment: Students should note that a system of mixed-mode assessment operates in Polish 3 and consists of a language project, a two-hour end of course exam, an oral exam and three literature projects.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) a thorough and accurate knowledge of the Polish language; (2) advanced translation skills; writing skills in Polish; (4) oral communication in Polish; (5) a sound knowledge of several short works of Polish literature across the three genres (poetry, short fiction, drama).

Course Co-ordinator: Dr Elwira Grossman

123F POLISH 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Seven hours per week at times to be arranged.

Requirements of entry: Grade D or better in Polish 2

Assessment: A combination of course assessment and examinations normally taken at the end of 4H.

Degree Examination taken in: May/June

Aims: This course is intended to (1) provide students with a thorough knowledge of modern standard Polish; (2) develop translation skills, as well as the skills of oral and written communication in Polish to a very high level; (3) impart to students an in-depth knowledge of Polish literature and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods, with considerable attention being given to the early period of Polish history; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

Honours Course Prescription: All of: Translation from Polish into English; Translation from English into Polish and Essay in Polish; Polish Literature from the Renaissance to the Twentieth Century; Twentieth-Century Polish Literature; Oral in Polish; and options to the value of 30 credits.

Course Co-ordinator: Dr John Bates

2JFW POLISH LANGUAGE 3

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Normally three hours weekly at times to be arranged.

Requirements of entry: Grade D or better in Polish 2 or Polish Language 2

Assessment: Students should note that a mixed-mode assessment operates in Polish Language 3.The End-of-Course Examination consists of two two-hour written papers; an oral examination. Polish Language 3 is assessed in four ways, each weighted in at 50 marks, as follows: Paper 1 (Writing in Polish); Paper 2 (translation into English); oral examination; Dissertation/Language Project.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to provide students with (1) a thorough and accurate knowledge of the Polish language; (2) advanced translation skills; (3) writing skills in Polish; (4) oral communication in Polish.

Course Co-ordinator: Dr Elwira Grossman

124D RUSSIAN 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Normally three hours per week at times to be arranged.

Requirements of entry: Grade D or better in Russian 2

Assessment: Students should note that a system of mixed-mode assessment operates in Russian 3 and consists of a language project, a two-hour end of course exam, an oral exam and three literature projects.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to (1) provide students with a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a high level; (3) provide students with a sound knowledge of several short works of Russian literature across the three genres (poetry, drama and shorter fiction); (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

Course Co-ordinator: Dr Andrei Rogatchevski

124F RUSSIAN 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 11.00 am and at other times to be arranged. Lecture, tutorial, language laboratory, video project.

Requirements of entry: Grade D or better in Russian 2

Assessment: A combination of course assessment and examinations normally taken at the end of 4H.

Degree Examination taken in: May/June

Aims: This course is intended to (1) provide students with a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a very high level; (3) impart to students an in-depth knowledge of Russian literature and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

Honours Course Prescription: All of: Translation from Russian into English; Translation from English into Russian and Essay in Russian; The Russian Novel; Russian Poetry, Drama and Shorter Fiction; Oral Examination; and options to the value of 30 credits.

Course Co-ordinator: Dr Andrei Rogatchevski

124H RUSSIAN 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Daily at 11.00 am and at other times to be arranged. Lecture, tutorial, language laboratory, video project.

Requirements of entry: Grade D or better in Russian 2

Assessment: A combination of course assessment and examinations normally taken at the end of 4H.

Degree Examination taken in: May/June

Aims: To provide students with (1) a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a very high level; (3) impart to students an in-depth knowledge of Russian literature and culture, especially as regards selected works of literature of the nineteenth and twentieth centuries and the main literary trends and movements of those periods; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

Honours Course Prescription: All of Translation from Russian into English; Translation from English into Russian; Essay in Russian; The Russian Novel; Russian Poetry, Drama and Shorter Fiction; Oral Examination and options to the value of 105 credits over the Junior and Senior Honours years from approved courses.

Course Co-ordinator: Dr Andrei Rogatchevski

2JJW RUSSIAN LANGUAGE 3

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Normally three hours weekly at times to be arranged

Requirements of entry: Grade D or better in Russian 2

Assessment: Students should note that a system of mixed-mode assessment operates in Russian Language 3. The End-of-Course examination consists of two written papers and an oral examination. Russian Language 3 is assessed in four ways, each weighted at 50 marks as follows: Paper 1 (Writing in Russian); Paper 2 (Translation into English); Oral Examination; Language Project.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course is intended to (1) provide students with a thorough knowledge of modern standard Russian; (2) develop translation skills, as well as the skills of oral and written communication in Russian to a high level; (3) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

Course Co-ordinator: Dr Andrei Rogatchevski

425H SLAVONIC AND EAST EUROPEAN STUDIES 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be arranged

Requirements of entry: Students enrolling for this degree are normally required to be qualified for admission into Honours in at least one of the following subjects: Czech, German, Polish or Russian (For further information on the precise requirements students should consult the appropriate Departmental handouts). In addition students are normally required to have two passes at Grade D or better in Level 1 or Level 2 classes in one or more of the following: Philosophy, History, Economic History, Politics, Political Economy, Sociology, Education, Industrial Relations, Management. In exceptional circumstances it may be possible for students who do not meet in full all the above requirements to be admitted to the course with the approval of the Convener of the Slavonic Studies Section of the School of Modern Languages and Cultures.

Assessment: In the case of one-year options from Groups IC, II and III that are assessed by degree examination, students normally sit that examination in the same year as the option is taken, ie options completed in Junior Honours are normally examined at the end of the Junior Honours year, and options completed in the Senior Honours year are examined at the end of the Senior Honours year. Where, however, a student is taking two main languagues, the following arrangements apply: a) a student may divide the year abroad between the two countries relevant to the languages studied; b) a student may spend the year abroad in one country and spend a summer in the second country, commencing the period of residence abroad after examinations taken in Junior Honours have been completed; c) where neither of the above arrangements is acceptable to the Departments concerned, a student will complete the second period of residence abroad in the third term of the Junior Honours year and will take all degree examination papers at the end of the Senior Honours year. Most options are assessed by means of a single three-hour degree examination.

Degree Examination taken in: May/June

Aims: This course is intended to: (1) provide students with a thorough knowledge of at least one of the languages of Central and Eastern Europe and, optionally, knowledge of a second such language; (2) impart to students an in-depth knowledge of aspects of the literature, culture, history, politics and economics of the countries associated with their principal language of study; (3) acquaint students with aspects of the literature, culture, history, politics and economics of the countries of Central and Eastern Europe; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

Honours Course Prescription: There are three groups of options as follows: 1. Language; 2. Literature and the Arts; and 3. History, Politics, Economics, Society. Candidates take options, which must include at least two from each group, to the value of 240 credits over the Junior Honours and Senior Honours years and this includes an oral examination. All candidates must take at least one option in Czech, Polish or Russian Language from Group 1. Option choices must be approved by the Convener of the Slavonic Studies section. Students must include a Dissertation for ONE of the options taken in the Junior Honours year. The Dissertation will have the same weight as the option it replaces. The topic for the Dissertation must be approved by the Convener of the Slavonic Studies section and by the Head of the Department (or his or her representative) responsible for the supervision of the Dissertation. The Dissertation will normally be written in English and will be 8,000-10,000 words long, but in appropriate circumstances and with the approval of the Convener of the Slavonic Studies section, the Dissertation may be written in Czech, German,

Polish or Russian, in which case it will be 4,000-5,000 words long. The Dissertation must be handed in by 5 pm on the Monday of the second week of Semester 2 of the Senior Honours year.

Course Co-ordinator: Dr John Dunn

7DPF SLAVONIC STUDIES 3H (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be arranged.

Requirements of entry: Grade D or better in any three courses at Level 1 and 2. With the approval of the Convener of the Slavonic Studies section, students will be able to substitute up to two courses taken in a cognate subject (e.g. English Literature or Scottish Literature) for Slavonic Studies courses at Level 1 and 2.

Assessment: All comparative options are examined by course assessment only. Cultural, language, and political and economic options are usually assessed by degree examination and students normally sit that examination in the same year as the option is taken, i.e. options completed in Junior Honours are normally examined at the end of the Junior Honours year, and options completed in the Senior Honours year are examined at the end of the Senior Honours year.

Degree Examination taken in: May/June

Aims: This course is intended to: (1) impart to students an advanced knowledge of comparative aspects of developments in literature, culture, history and/or politics in at least two of the countries of Central and Eastern Europe; (2) acquaint students with aspects of the literatures, culture, history, politics and economics of Central and Eastern Europe via English-language sources; (3) optionally, to provide students with language instruction at an appropriate level in one or two of the Slavonic languages; (4) increase students' ability to work effectively, as well as to further the acquisition of generic and transferable skills which will be of value in later life.

Honours Course Prescription: Students will normally take 60 credits worth of options each year. Students may select from the following four groups of options: I: Comparative Options: Czech, Polish and Russian Women's Writing in English Translation, The Mass Media of Central and Eastern Europe (15 credits), Further Issues Concerning the Mass Media (15 credits), Slavonic Drama (15 credits), Holocaust Literature (15 credits). II: Cultural Options: Contemporary Czech Cinema, Polish Literature in English Translation from the Renaissance to the Twentieth Century, Contemporary Polish Cinema, The Russian Novel in English Translation, Censorship in Western Culture, History of the Czechs and Slovaks, The Lost Empire: Byzantium and the Slavs 800-1600 (taught jointly with the Department of Medieval History), Russian Cinema; Domesticating the Dictators: Women's Writing under Franco and Stalin. III: Language Options: Subsidiary Czech Language (Beginners), Subsidiary Czech Language (Intermediate), Subsidiary Polish Language (Beginners), Subsidiary Polish Language (Intermediate), Subsidiary Russian Language (Beginners), Subsidiary Russian Language (Intermediate). IV: Political and Economic Options (taught by or for the Department of Central and East European Studies): History of the USSR, An Economic and Social History of Central and Eastern Europe 1918-1989, Cultural Politics and Change in Post-Soviet Russia, Civil Society and the State in Central and Eastern Europe; Statehood, Nationality, Identity: The Baltic States since 1918; Post-Soviet Russia: Renegotiating Global and Local Identities. Students are required to take a minimum of 30 credits from Group I; a maximum of 60 credits from Group III and a maximum of 60 credits from Group IV. Options are normally taught on a yearly basis. The Options are usually each rated at 30 credits except for those options in Group II or where indicated. All curricula must be approved by the Section Convener. Students may substitute a Dissertation of 8,000-10,000 words for ONE of the options taken in Junior Honours year. The dissertation will be rated at 15 credits. The Dissertation must be handed in by the end of Week 1 of Semester 2 of the Senior Honours year.

Course Co-ordinator: Dr John Dunn

111G CZECH 4H (JOINT)

(See: 111F CZECH 3H (JOINT))

123G POLISH 4H (JOINT)

(See: 123F POLISH 3H (JOINT))

124G RUSSIAN 4H (JOINT)

(See: 124F RUSSIAN 3H (JOINT))

425J SLAVONIC AND EAST EUROPEAN STUDIES 4H (SINGLE)

(See: 425H SLAVONIC AND EAST EUROPEAN STUDIES 3H (SINGLE))

7DPG SLAVONIC STUDIES 4H (COMBINED)

(See: 7DPF SLAVONIC STUDIES 3H (COMBINED))

Scottish Literature

4KTU SCOTTISH LITERATURE 1A SCOTTISH TRADITIONAL FICTION/POETRY

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Monday, Wednesday, Friday - 10.00 am, plus weekly seminar.

Requirements of entry: Standard University admission requirements

Assessment: Two essays (of different kinds) and a seminar performance mark, adding up to a total of 50% of the final mark for the course. One examination in January worth 50% of total mark for course. The final

grade is expressed as a letter grade (A, B etc) carrying fixed amounts of credit.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To impart detailed knowledge of selected texts from within 19th and 20th century Scottish Literature; to stimulate a broad understanding of the development of Scottish literature within the period, and a grasp of the relevant historical and cultural context; to develop knowledge and understanding of Scots language and its use in a range of genres; to foster appreciation of literary developments generally in the period under study, and understanding of a range of genres; to develop a grasp of the appropriate terminology and the basic skills required for literary criticism; to enable students to acquire communicative skills through discussion and written work which will be of value to them in everyday and working life; to encourage students to develop the ability to study independently and effectively.

Course Co-ordinator: Dr Kirsteen McCue

4KWU SCOTTISH LITERATURE 1B CONTEMPORARY SCOTTISH FICTION POETRY & DRAMA

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Monday, Wednesday, Friday - 10.00 am, plus weekly seminars.

Co-requisites: Although students may enter Scottish Literature 1B without having taken Scottish Literature 1A, it is normally expected that those wishing to continue the study of Scottish Literature should complete 1A before entering 1B.

Assessment: Two essays (of different kinds) and a seminar performance mark adding up to a total of 50% of the final mark for the course. One examination in June worth 50% of total mark for course. The final grade is expressed as a letter grade (A, B etc) carrying fixed amounts of credit.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To impart detailed knowledge of selected texts from post 1945 Scottish Literature; to stimulate a broad understanding of the development of Scottish literature within the period, and a grasp of the relevant historical and cultural context; to develop knowledge and understanding of Scots language and its use in a range of genres; to foster appreciation of literary developments generally in the period under study, and understanding of a range of genres; to develop a grasp of the appropriate terminology and the basic skills required for literary criticism; to enable students to acquire communicative skills through discussion and written work which will be of value to them in everyday and working life; to encourage students to develop the ability to study independently and effectively.

Course Co-ordinator: Dr Kirsteen McCue

7EBV SCOTTISH LITERATURE 2A: EARLY SCOTTISH LITERATURE & LANGUAGE

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Monday (joint with English Language), Tuesday and Thursday - 12.00 noon; plus one literature seminar weekly, and c. 6 language seminars per course.

Requirements of entry: Normally, minimally a D (10 grade points) in both courses of Scottish Literature 1 or in cognate classes such as English Literature or English Language. Alternatively, if DACE course 'An Introduction to Scottish Literature' is taken with Scottish Literature 1B, and both are obtained at at least Grade D, access to Level 2 Scottish Literature is allowed.

Assessment: One language exercise 20%; four seminar reports 20%; one literature essay 30%; one examination paper in January 30%

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The Level 2 course overall intends to: - provide an introduction to the history and structure of the Scots tongue; - enable students to analyse Older Scots (especially literary) texts, using the appropriate literary and linguistic critical terms; - provide the necessary training to enable students to benefit from the facilities of the STELLA computing laboratories and to use the Level 2 teaching packages available on-line in STELLA; - enable students to enjoy key literary texts in Scots from the medieval and early modern period; - introduce several key literary concepts that are essential to an understanding of medieval and early modern literature; - make students aware of the fact that these concepts can also be applied to texts from other literary traditions and other periods, especially by exposing the constructed nature of literary writing generally; - help students develop their expository skills through group discussion and the writing of essays; - encourage students to read, evaluate and inform their own reading from the published work of other critics; - teach students to become active learners and to develop an awareness of their own responsibility for their learning; - foreground the notion that the early modern period is one of continuities as well as transitions.

Course Co-ordinator: Miss Rhona Brown

7EAV SCOTTISH LITERATURE 2B: EARLY SCOTTISH LITERATURE & LANGUAGE

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday (joint with English Language), Tuesday and Thursday - 12.00 noon; plus one literature seminar weekly, and c.6 language seminars per course.

Requirements of entry: For students wishing to continue the study of Scottish Literature, entry is normally conditional on a satisfactory performance in Scottish Literature 2A, but entry from other classes in the Arts

Faculty is also possible, conditional on satisfactory performance in these classes.

Assessment: One language exercise 20%; four seminar reports 20%; one literature essay 30%; one degree examination paper in June 30%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The Level 2 course overall intends to: - provide an introduction to the history and structure of the Scots tongue; - enable students to analyse Older Scots (especially literary) texts, using the appropriate literary and linguistic critical terms; - provide the necessary training to enable students to benefit from the facilities of the STELLA computing laboratories and to use the Level 2 teaching packages available on-line in STELLA; - enable students to enjoy key literary texts in Scots from the medieval and early modern period; - introduce several key literary concepts that are essential to an understanding of medieval and early modern literature; - make students aware of the fact that these concepts can also be applied to texts from other literary traditions and other periods, especially by exposing the constructed nature of literary writing generally; - help students develop their expository skills through group discussion and the writing of essays; - encourage students to read, evaluate and inform their own reading from the published work of other critics; - teach students to become active learners and to develop an awareness of their own responsibility for their learning; - foreground the notion that the early modern period is one of continuities as well as transitions.

Course Co-ordinator: Miss Rhona Brown

4KWW NEW DIRECTIONS IN POST-WORLD WAR TWO WRITING 3B

Credits: 30 *Level:* 3

When Taught: Semester 2 (January - June)

Timetable: Lectures Monday and Thursday 2.00 p.m., Seminars either Tuesday 12.00 noon or Thursday 3.00 p.m.

Requirements of entry: The normal prerequisite for home students wishing to take the Level 3 course is a D grade in each course of Level 2 Scottish Literature, although applications from candidates with a C grade pass in Level 1 will be considered. Applications from students with similar attainments in Level 1 and 2 English Literature may also be considered. Overseas students wishing to take the class should normally be 3rd level literature students. Overseas students who do not have literature as a major subject should consult with the class convenor.

Assessment: Each course is assessed by a combination of one essay and seminar contribution (50%) plus examination (50%). Individual arrangements can be made for overseas students who have either specific requirements from their home university, or who have linguistic difficulties.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this course is to introduce students to the varied nature of post-1945 writing in Scotland in relation to genre, language-use, geographical location and gender and class issues, and thus to enable them to understand more clearly the relationship between literary texts and their wider social and historical context. Special emphasis will be placed on the work of women writers and urban writers. Although courses 4KTW and 4KWW are designed as independent courses, an additional aim of 4KWW is to enable students to be aware of the difference in theoretical and literary concepts and perspectives between the early twentieth century Scottish Renaissance period and the post-war and contemporary periods.

Course Co-ordinator: Miss Lyndsay Lunan

125F SCOTTISH LITERATURE 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: See individual papers

Requirements of entry: All four courses of Scottish Literature Levels 1 and 2, with at least 24 grade points in the Level 2 courses and neither of these falling below D.

Excluded Courses: Those rendered impossible for timetable reasons.

Assessment: Three papers plus a dissertation over the two honours years. Dissertation counts as one paper

Degree Examination taken in: May/June

Aims: (1) To offer a comprehensive approach to literary studies through a wide-ranging choice of specialised, text-based courses on aspects of Scottish language and literature. (2) To base this upon a developing understanding of criticism, theory and literary form, applied to a variety of Scottish texts. (3) to provide students with an opportunity to enrich their awareness of literature in its social context through the study of related aspects of Scottish culture. (4) To enable students to develop their expository skills through intensive group discussion and the writing of essays. (5) To provide an opportunity, through the writing of a dissertation, for students to carry out an extended piece of research.

Honours Course Prescription: Over the two-year course students must take three papers from the list below, and submit a dissertation of around 10,000 words on an approved topic, making a total of 8 papers. Group A 1: History of Scots (English Language) (30 credits) 2: History of Scottish Book (English Language) (30 credits) Group B 3: Theory 3a: Introduction to Theory (15 credits) 3b: Advanced Theory (15 credits) 4: From Beginnings to Early Modern (30 credits) 5: Augustans and Romantics (1603-1843) (30 credits) (2006-2007) 6: Victorian and Renaissance (1843-1943) (30 credits) 7: Modern and Contemporary (1943-2004) (30 credits) (2006-2007) 8: Special Topic (30 credits) (In 2005-2006 this is Modern Scottish Poetry. Topics will vary each session.) 9: Dissertation (30 credits)

Course Co-ordinator: Dr Gerard Carruthers

125H SCOTTISH LITERATURE 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: See individual papers

Requirements of entry: All four courses of Scottish Literature Levels 1 and 2, with at least 24 grade points in the Level 2 courses and neither of these falling below D. Applicants for Single Honours Scottish Literature should also have completed both courses of English Language Level 1 at grade D or above.

Assessment: Seven papers taken in 3H & 4H years plus a dissertation. Dissertation counts as one paper

Degree Examination taken in: May/June

Aims: (1) To offer a comprehensive approach to literary studies through a wide-ranging choice of specialised, text-based courses on aspects of Scottish language and literature. (2) To base this upon a developing understanding of criticism, theory and literary form, applied to a variety of Scottish texts. (3) To provide students with an opportunity to enrich their awareness of literature in its social context through the study of related aspects of Scottish culture. (4) To enable students to develop their expository skills through intensive group discussion and the writing of essays. (5) To provide an opportunity, through the writing of a dissertation, for students to carry out an extended piece of research.

Honours Course Prescription: Over the two-year course students must take seven papers from the list below, and submit a dissertation of around 10,000 words on an approved topic, making a total of 8 papers. They must take either paper 1 or 2 (Language), papers 3a and 3b (Theory), a paper from the medieval period (in 2005-06 From the Beginnings to Early Modern will be offered) and at least 2 other papers from Group B. If they wish, students may choose no more than 2 papers from Group C, which are offered by a range of other University departments. Group A 1: History of Scots (English Language) (30 credits) 2: History of Scottish Book (English Language) (30 credits) Group B 3: Theory 3a: Introduction to Theory (15 credits) 3b: Advanced Theory (15 credits) 4: From Beginnings to Early Modern (30 credits) 5: Augustans and Romantics (1603-1843) (30 credits) (2006-2007) 6: Victorian and Renaissance (1843-1943) (30 credits) 7: Modern and Contemporary (1943-2004) (30 credits) (2006-2007) 8: Special Topic (30 credits) (In 2005-2006 this is Modern Scottish Poetry. Topics will vary each session.) 9: Dissertation (30 credits) Group C Options offered by other departments may include the following subject areas: history, philosophy, English Literature, English Language, Celtic.

Course Co-ordinator: Dr Gerard Carruthers

4KTW SCOTTISH RENAISSANCE AND ITS LEGACY 3A

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: Monday, Thursday - 2.00 pm; plus weekly seminar either Tuesday 12.00 noon, or Thursday 3.00 pm.

Requirements of entry: The normal prerequisite for home students wishing to take the Level 3 course is a D grade in each course of Level 2 Scottish Literature, although applications from candidates with a C grade pass in Level 1 will be considered. Applications from students with similar attainments in Level 2 and Level 1 English Literature may also be considered. Overseas students wishing to take the class should normally have literature as a major subject.

Assessment: The course is assessed by one essay and seminar contribution (50%) plus examination (50%). Individual arrangements can be made for overseas students who have either specific requirements from their home university, or who have linguistic difficulties

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: The aim of this course is to introduce students to the writers and key concepts associated with the Scottish literary revival of the inter-war period, popularly known as the Scottish Renaissance. Students will be enabled to understand the literary revival's relationship to historical tradition, its various manifestations with regard to genre, language and formal discourse in its own time and its interaction with the changing literary and cultural context of the early post-1945 period.

Course Co-ordinator: Miss Lyndsay Lunan

125G SCOTTISH LITERATURE 4H (JOINT)

(See: 125F SCOTTISH LITERATURE 3H (JOINT))

125J SCOTTISH LITERATURE 4H (SINGLE)

(See: 125H SCOTTISH LITERATURE 3H (SINGLE))

Slavonic Studies

Please see the entries for the School of Modern Languages & Cultures, page 173.

Sociology and Anthropology

3BJU ANTHROPOLOGY 1 (EVENING)

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

209B SOCIOLOGY 1

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Thursday, Friday - 12.00 noon; weekly tutorials.

Assessment: Two 2-3,000 word essays (50%) and one 2-hour examination (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of the course is to introduce you to Sociology as a major academic discipline within the social sciences. This is done by focusing on the topic of Social Inequality in Contemporary Britain, and by analysing a range of explanations provided by sociologists as to its causes.

Course Co-ordinator: Mrs Ruth Madigan

8TIV ANTHROPOLOGY 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: 3 lectures per week and fortnightly tutorials

Requirements of entry: Requirement: A 'D-' grade or better in Level 1 Anthropology.

Co-requisites: none

Excluded Courses: none

Assessment: You will gain 40 credits if you: (1) submit a 2-3000 word essay in semester 1 (20%); (2) participate in and write up a report for the space project in Semester 1 (30%); (3) submit a 2-3000 word essay in Semester 2 (20%); and (4) sit a final two hour exam (30%) in May/June. It is possible to exit this course after the first 12 weeks of teaching and recieve 20 credits if: (1) you submit a first term essay (worth 1/3) and (2) sit a final two hour exam during the may/june examination diet (worth 2/3).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to: 1) build on the knowledge and skills you gained in Level 1 Anthropology by further examining the different ways that anthropologists have attempted to: a) understand and study society; b) interpret their findings; and c) present their data in the form of ethnographic writing and film. In Level 1, you focused mostly on anthropologists working in developing countries. In Level 2 Anthropology, you will also examine the research anthropologists are doing in developed countries. Some of the specific topics you will cover are: tourism, language, development and applied anthropology. 2) build on the knowledge of societies you gained in Level 1 and to introduce you to new societies in both the developing and developed world. These include studies based in Scotland and Europe. 3) explore the processes of cultural, economic and social change in societies around the world and to examine how such change is interpreted by people undergoing it. 4) assist you in developing anthropological research skills. You will carry out a fieldwork project on the use of space and present your data in a written form

Course Co-ordinator: Dr Lisa Bourque

9VJV ANTHROPOLOGY 2 (EVENING)

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: a weekly three hour lecture which includes tutorial work

Requirements of entry: Requirement: A 'D-' grade or better in Level 1 Anthropology.

Co-requisites: none

Excluded Courses: none

Assessment: (1)2-3000 word essay in week 15 (20%); (2) written report for the space project in week 27 (30%); (3) a 2-3000 word essay in week 36 (20%); and (4) a final two hour exam (30%) in May/June. Early exit (end of week 12) assessment requires: (1) 2-3000 word essay in week 15 (33%) and (2) a two hour exam during the may/june diet (67%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course aims to: 1) build on the knowledge and skills you gained in Level 1 Anthropology by further examining the different ways that anthropologists have attempted to: a) understand and study society; b) interpret their findings; and c) present their data in the form of ethnographic writing and film. In Level 1, you focused mostly on anthropologists working in developing countries. In Level 2 Anthropology, you will also examine the research anthropologists are doing in developed countries. Some of the specific topics you will cover are: tourism, language, development and applied anthropology. 2) build on the knowledge of societies you gained in Level 1 and to introduce you to new societies in both the developing and developed world. These include studies based in Scotland and Europe. 3) explore the processes of cultural, economic and social change in societies around the world and to examine how such change is interpreted by people undergoing it. 4) assist you in developing anthropological research skills. You will carry out a fieldwork project on the use of space and present your data in a written form

Course Co-ordinator: Dr Lisa Bourque

7KEV SOCIOLOGY 2

Credits: 40 *Level:* 2

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Thursday - 4.00 pm; fortnightly tutorials

Requirements of entry: Grade D in Sociology 1 or Anthropology 1

Assessment: Two 2,500-3,000 word essays (50%) and one 2-hour examination (50%); oral at examiners' discretion

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course provides a broad historical and theoretical perspective on the problem of the origin and development of modern societies, paying particular attention to insights and arguments drawn from the works of the founders of the discipline of Sociology. Within this perspective knowledge about contemporary British society gained from the Level 1 course is developed, and placed in a global context. The course also provides a foundation upon which the more specialised Honours Courses may be followed.

Course Co-ordinator: Mr Philip O'Brien

459F ANTHROPOLOGY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Normally Anthropology 1 at D and EITHER Anthropology 2 OR Sociology 2 at C

Assessment: Four papers taken in 4H year, or three papers and a previously submitted dissertation. For the

papers, one essay (2-3,000 words) 33%, one two-hour examination 67%.

Degree Examination taken in: May/June

Aims: To broaden students' knowledge of societies and cultures very different to their own. To challenge them intellectually with the problems faced by the study of such societies and with the solutions - theories - that anthropologists have proposed. To contribute to students' understanding of important inter-cultural dimensions of the contemporary world. To encourage improvement in their technical expertise in researching and in written and oral presentation.

Honours Course Prescription: Four courses from: a) Social Anthropology: Analysis of Societies; b) Social Anthropology: Substantive Areas; c) Social Anthropology: Religion in Everyday Life; d) Social Anthropology: Theory and Representation; e) Sociology and Anthropology of the Body; f) Sociology and Anthropology of Knowledge and Belief; g) Psychological Anthropology h) Dissertation. Further courses are expected to be added for coming sessions.

Course Co-ordinator: Dr David Evans

9QTW SOCIOLOGY & ANTHROPOLOGY 3: APPLIED SOCIAL RESEARCH METHODS

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: TBA

Requirements of entry: Requirement of Entry - Level 2 in Sociology or Anthropology at Grade D

Co-requisites: Research project in sociology/anthropology

Assessment: A computer exercise to demonstrate familiarity with research methods by March and a one hour unseen examination in June

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The aim of this option is to provide students with an introduction to a range of research methods and to commonly used statistics in social science. Through lectures and computer exercises they will become familiar with questionnaire design, content analysis, observation and basic statistical techniques all of which will be applied in the co-requisite level 3 course Applied Sociology/Anthropology Project. By the end of the course Students will be able to frame a research topic, identify appropriate methodological approaches and be able to tackle small pieces of independent research.

Course Co-ordinator: Mrs Ruth Madigan

9TEW SOCIOLOGY & ANTHROPOLOGY 3: APPLIED SOCIAL SCIENCES

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Days to be arranged, but will be scheduled for early evening.

Requirements of entry: Grade D in at least 20 credits Level 2 social science course.

Excluded Courses: Research Methods in Sociology and Anthropology Applied Project in Sociology and Anthropology

Assessment: Research Project - 8,000 words Other coursework is 4 computer exercises

Aims: The aim of this course is to familiarise students with a broad range of social science research methods and to provide the opportunity to apply their knowledge in the context of an applied research project. Research methods will be taught by means of seminars and computer lab classes and students will be required to demonstrate their skills through regular assessed computer exercises. The project will largely be undertaken through independent research, although this work will be supervised by means of regular tutorials (group and individual) in which students will be guided through each stage in the research process. The project can be based on any social science discipline. In the final sessions, students will present their work to members of the group.

Course Co-ordinator: Mr Fred Cartmel

9QWW SOCIOLOGY & ANTHROPOLOGY 3: APPLIED SOCIOLOGY/ANTHROPOLOGY PROJECT

Credits: 30 *Level:* 3

When Taught: Full Session (September - June)

Timetable: TBA

Requirements of entry: Requirements of entry is Level 2 in Sociology or Anthropology at grade D

Co-requisites: Applied Social Research Methods (9QTW)

Assessment: An individual project report of around 8,000 words by week 21.

Aims: The aim of this option is to provide Students with the opportunity to undertake an in-depth project in an agreed area of applied sociology. The project will allow Students to develop their skills for independent work within a supportive environment of regular group meetings. In the tutorials students will be guided through each of the research stages, feedback will be given and in the final group session completed reports will be presented. Students will be required to specify a research topic, identify appropriate methodological approaches, conduct some primary research and produce a project report. Ongoing support for the project will be provided in the form of group and individual supervision sessions.
Students will be expected to demonstrate some knowledge of the major concepts in sociological theory and methods of inquiry developed in level 1 and level 2 classes in sociology and anthropology. They will also be expected to identify a specific area of sociological inquiry to which they will apply some of the skills and techniques developed in level 1 and 2.

Course Co-ordinator: Dr Gerda Reith

209F SOCIOLOGY 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade C in Sociology 2

Assessment: Four papers taken in 4H year

Degree Examination taken in: May/June

Aims: The courses that you will take have been designed according to the general aims of the Departments Honours teaching programme which are: to build on the work of the Level One and Level Two classes, to provide a sound knowledge and critical understanding of the academic disciplines of sociology and social anthropology; to develop specialist conceptual and analytical skills embedded within the context of education in the academic disciplines of sociology and social anthropology; to prepare students for further study and research in the field of sociology and social anthropology; to develop generic or transferable skills, particularly those entailed in communication (both written and oral), group work and the use of information technology; to prepare students for further study and research in the field of sociology and social anthropology.

Honours Course Prescription: In each of your honours years, you have to take two courses. For Joint Sociology and Anthropology: In your Junior Honours year, there is one compulsory course for sociology: Methods of Social Research* and one option. In your Senior Honours year you must take the General Paper* and the Dissertation*, but you can choose whether you do these as sociology or anthropology. Your other courses can be selected from the list of options below. For any other Joint Sociology: In both Junior and Senior honours years you take two options selected from the following list. You may also take Methods of Social Research* as an option in your Junior Honours year, or the Dissertation* in your Senior Honours year, if you wish. OPTIONS: Your optional courses in either year will be selected from the following list depending on which year they are available (either your Junior or Senior Honours year). Options: Classical Sociological Theory and Analysis; Contemporary Sociological Theory and Analysis; Social Stratification; Social Anthropology: Analysis of Societies; Social Anthropology: Theory and Representation; Sociology of Crime and Criminological Perspectives*; Sociology of Education*; Urban Sociology*; Gender Divisions in Society; Sociology of Consumption; Sociology of Industry; Sociology of Literature and Art; Sociology of Mass Media; Sociology of Modernity; Sociology of Sexuality; Sociology of Music; Sociology of Latin American Development; Feminist Issues in Sociological Theory and Analysis; Sociology of Race and Ethnicity; Racism, Citizenship and Migration in Contemporary Europe; Sociology and Anthropology of the Body; Sociology and Anthropology of Knowledge and Belief; Social Anthropology: Religion in Every-day Life; Social Anthropology: Substantive Areas; Psychological Anthropology. An asterisk (*) denotes a course that involves project work or fieldwork.

Course Co-ordinator: Dr David Evans

209H SOCIOLOGY 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Grade C in Sociology 2

Assessment: Eight papers taken in 4H year

Degree Examination taken in: May/June

Aims: The courses that you will take have been designed according to the general aims of the Departments Honours teaching programme which are: to build on the work of the Level One and Level Two classes; to provide a sound knowledge and critical understanding of the academic disciplines of sociology and social anthropology; to develop specialist conceptual and analytical skills embedded within the context of education in the academic disciplines of sociology and social anthropology; to prepare students for further study and research in the field of sociology and social anthropology; to develop generic or transferable skills, particularly those entailed in communication (both written and oral), group work and the use of information technology; to prepare students for further study and research in the field of sociology and social anthropology.

Honours Course Prescription: In each of your two Honours years, you have to take 4 courses. In your Junior Honours year, there is one compulsory course: Methods of Social Research* and three options. In your Senior Honours year there are two compulsory courses: the Dissertation* and the General Paper and two options. Your optional courses in either year will be selected from the following list depending on which year they are available (either your Junior or Senior Honours year). Options: Classical Sociological Theory and Analysis; Contemporary Sociological Theory and Analysis; Social Stratification; Social Anthropology: Analysis of Societies; Social Anthropology: Theory and Representation; Sociology of Crime and Criminological Perspectives*; Sociology of Education*; Urban Sociology*; Gender Divisions in Society; Sociology of Consumption; Sociology of Industry; Sociology of Literature and Art; Sociology of Mass Media; Sociology of Modernity; Sociology of Sexuality; Sociology of Music; Sociology of Latin American Development; Feminist Issues in Sociological Theory and Analysis; Sociology of Race and Ethnicity; Racism, Citizenship and Migration in Contemprary Europe; Sociology and Anthropology of the Body; Sociology and Anthropology of Knowledge and Belief; Social Anthropology: Religion in Every-day Life; Social Anthropology: Substantive Areas; Psychological Anthropology. An asterisk (*) denotes a course that involves project work or fieldwork. Single Honours students can take up to two courses from other Social Sciences and some Arts Honours degree programmes at the discretion of the Head of Department.

Course Co-ordinator: Dr David Evans

459G ANTHROPOLOGY 4H (JOINT)

(See: 459F ANTHROPOLOGY 3H (JOINT))

209G SOCIOLOGY 4H (JOINT)

(See: 209F SOCIOLOGY 3H (JOINT))

209J SOCIOLOGY 4H (SINGLE)

(See: 209H SOCIOLOGY 3H (SINGLE))

Statistics

8W9B STATISTICS 1B: PRACTICAL STATISTICS

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures: Tuesday, Wednesday, Thursday and Friday at 12.00 noon. Practicals: weekly for two hours at times to be arranged.

Requirements of entry: Pass in Standard Grade Mathematics (or equivalent)

Excluded Courses: Statistics 1Y and 1Z, Statistics 1C, Biometrics

Assessment: One 1.5 hour Class Examination (10%); one 3 hour written examination (50%); Practical work and projects (40%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to statistical concepts and thinking; to provide a practical introduction to data analysis; to demonstrate the importance and practical usefulness of statistics; to encourage and equip students to apply simple statistical techniques to design, analyse and interpret studies in a wide range of disciplines; to enable students to communicate the results of their analyses in clear non-technical language in writing up laboratory reports and projects; to make students aware of the limitations of simple techniques and encourage them to seek expert advice when more complex procedures are required; to provide examples of the uses of statistics in situations of relevance to students' other courses; to utilise a package on a computer to illustrate the power of statistical techniques and avoid tedious arithmetic.

Course Co-ordinator: Mr Thomas Aitchison

2CHB STATISTICS 1C: STATISTICS FOR PSYCHOLOGISTS AND SOCIAL SCIENTISTS

Credits: 40 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures: Monday, Tuesday, Wednesday and Thursday at 1.00 pm. Practicals: weekly for two hours at times to be arranged.

Requirements of entry: Pass in Standard Grade Mathematics (or equivalent)

Excluded Courses: Statistics 1Y and 1Z, Statistics 1B, Biometrics

Assessment: One 1.5 hour Class Examination (10%); one 3-hour written examination (50%); practical work and project (40%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to statistical concepts and thinking; to provide a practical introduction to data analysis; to demonstrate the importance and practical usefulness of statistics; to encourage and equip students to apply simple statistical techniques to design, analyse and interpret studies in a wide range of disciplines but mainly in psychology; to enable students to communicate the results of their analyses in clear non-technical language in writing up laboratory reports and projects; to make students aware of the limitations of simple techniques and encourage them to seek expert advice when more complex procedures are required; to provide examples of the uses of statistics in situations of relevance to students' other courses; to utilise statistical packages on computers to illustrate the power of statistical techniques.

Course Co-ordinator: Dr Ernst Wit

4RHU STATISTICS 1Y: PROBABILITY AND STATISTICAL METHODS

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday, Tuesday, Wednesday and Thursday at 9.00 am. Practicals: 6 one and a half hour practicals, at times to be arranged. Tutorials: Weekly for one hour at times to be arranged.

Requirements of entry: Pass in SCE Higher Mathematics (or equivalent)

Excluded Courses: Statistics 1B, Statistics 1C, Biometrics

Assessment: Written examination (one two-hour paper) 70%; Six practical reports 20%. Two one-hour class exams 10%.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To: introduce students to basic concepts in probability; demonstrate the importance and practical usefulness of probability in real life; equip students to apply probability theory to solve problems from a wide range of disciplines; train students to use computers for simulation studies; show how probability is a necessary foundation for understanding statistics; introduce students to fundamental ideas in Statistics; demonstrate the importance and usefulness of these ideas in real life and on real data; show how to present data informatively and clearly; equip students to apply probability and statistical methods to solve standard problems from a wide range of disciplines; give students an appreciation of the limitations of these standard techniques; provide an appreciation of the assessment of variability through interval estimation; enable students to communicate the results of their analyses in clear non-technical language; promote an interest in probability and statistics and hence encourage students to study the subject further.

Course Co-ordinator: Dr Nial Friel

4RJU STATISTICS 1Z: DESIGN OF EXPERIMENTS AND ANALYSIS OF VARIANCE

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday, Tuesday, Wednesday and Thursday at 9.00 am. Practicals: 6 one and a half hour practicals, at times to be arranged. Tutorials: Weekly for one hour at times to be arranged.

Requirements of entry: Pass in SCE Higher Mathematics (or equivalent)

Co-requisites: Statistics 1Y

Excluded Courses: Statistics 1B, Statistics 1C, Biometrics

Assessment: Written examination (one two-hour paper) 70%; Six practical reports 20%. Two one-hour class exams 10%.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to further fundamental ideas in Statistics beyond those met in S1Y; demonstrate the importance and usefulness of these ideas in real life and on real data; enable students to understand both the strengths and weaknesses of the hypothesis test approach to statistical analysis; provide an appreciation of the need for statisticians to be involved in the design as well as the analysis of experiments; enable students to understand how sampling should be undertaken; enable students to assess relationships between random variables; enable students to understand how to utilise time series data in simple contexts; enable students to communicate the results of their analyses in clear non-technical language; promote an interest in probability and statistics and hence encourage students to study the subject further.

Course Co-ordinator: Dr Nial Friel

4FJV STATISTICS 2R: PROBABILITY

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday and Wednesday at 9.00 am. Practicals: fortnightly for 1.5 hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

Requirements of entry: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better). Strongly recommend Statistics 1Y/Z

Assessment: Degree Examination 70%, Class Examination 20%, 2 Lab Reports 10%

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to fundamental concepts in Probability theory, beyond the simpler ideas introduced in Level 1; to demonstrate the importance and usefulness of Probability in real applications; to equip students to apply Probability to solve problems from a wide range of disciplines; to train students to use computers for simulation studies; to promote an interest in Probability and Statistics and hence encourage students to study more advanced courses.

Course Co-ordinator: Mr John McColl

4FBV STATISTICS 2S: STATISTICAL METHODS

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures: Tuesday and Thursday at 9.00 am. Practicals: fortnightly for one and a half hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

Requirements of entry: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better). Strongly recommend Statistics 1Y/Z

Co-requisites: Statistics 2R

Assessment: Degree Examination 70%, Class Examination 20%, 2 Lab Reports 10%

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to non-parametric tests for statistical inference; to introduce students to parametric methods of interval estimation, based on pivotal functions and on likelihood; to compare and contrast these different approaches to statistical inference; to demonstrate the importance and usefulness of these concepts in real applications; to equip students to apply statistical ideas to solve problems from a wide range of disciplines; to train students to communicate the results of their analyses in clear non-technical language; to train students to use computers appropriately for statistical analysis; to promote an interest in Statistics and encourage students to study more advanced courses.

Course Co-ordinator: Mr John McColl

4FCV STATISTICS 2T: SURVEY METHODS AND DATA ANALYSIS

Credits: 10 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Lectures: Friday at 9.00 am. Practicals: weekly for two hours at times to be arranged.

Requirements of entry: Either: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better) and Statistics 2S; or: Statistics 1Y and 1Z or Statistics 1B or Statistics 1C (grade D or better).

Assessment: One 1 hour written examination (50%). Practical work and project (50%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to statistical concepts in the design and analysis of observational studies; to demonstrate the importance and usefulness of these concepts in real applications; to equip students to organise and analyse data from observational studies in a wide range of disciplines; to train students to communicate the results of their research in clear non-technical language; to train students to use computers appropriately to store, retrieve and analyse data.

Course Co-ordinator: Mr John McColl

4FDV STATISTICS 2X: PROBABILITY MODELS

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday and Wednesday at 9.00 am. Practicals: fortnightly for one and a half hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

Requirements of entry: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better).

Co-requisites: Statistics 2R and Mathematics 2X and 2Y and Mathematics 2R (or 2W) and 2S (or 2Z).

Assessment: Degree Examination 70%, Class Examination 20%, 2 Lab Reports 10%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to further concepts in Probability; to demonstrate the importance and usefulness of these concepts in real applications; to equip students to apply probability methods to solve problems from a wide range of disciplines; to promote an interest in Probability and Statistics and hence encourage students to study more advanced courses.

Course Co-ordinator: Mr John McColl

4FEV STATISTICS 2Y: REGRESSION MODELLING

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Tuesday and Thursday at 9.00 am. Practicals: fortnightly for one and a half hours at times to be arranged. Tutorials: fortnightly for one hour at times to be arranged.

Requirements of entry: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better).

Co-requisites: Statistics 2R and 2S.

Assessment: Degree Examination 70%, Class Examination 20%, 2 Lab Reports 10%

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to statistical modelling, in particular linear models; to demonstrate the importance and usefulness of modelling in real applications; to equip students to apply regression modelling to solve problems from a wide range of disciplines; to train students to communicate the results of their analyses in clear non-technical language; to train students to use computers appropriately for statistical analysis; to promote an interest in Statistics and encourage students to study more advanced courses.

Course Co-ordinator: Mr John McColl

4FFV STATISTICS 2Z: ADVANCED DATA ANALYSIS

Credits: 10 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Lectures: Friday at 9.00 am. Practicals: weekly for two hours at times to be arranged.

Requirements of entry: Either: Mathematics 1R (or 1X) and 1S (or 1T or 1Y) (grade D or better); or Statistics 1Y and 1Z; or Statistics 1B; or Statistics 1C; (grade D or better)

Co-requisites: Statistics 2T

Assessment: One 1 hour written examination (50%). Practical work and project (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to some advanced statistical techniques in a non-mathematical manner; to demonstrate the importance and usefulness of these techniques in real applications; to equip students to apply these techniques to analyse data from a wide range of disciplines; to train students to communicate the results of their analyses in clear non-technical language; to train students to use computers appropriately for statistical analysis.

Course Co-ordinator: Mr John McColl

8RJW STATISTICAL STUDIES 3

Credits: 40 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures 4 per week, weeks 1-12 and weeks 13-17. Tutorials 1 per week, weeks 1-12 and weeks 13-22. Practical 2 hours per week, weeks 1-12 and weeks 13-22.

Requirements of entry: Statistics 2R, 2S, 2X and 2Y (Grade D or better) and successful completion of Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y with Grade D or better in two of them.

Co-requisites: There is no co-requisite for this course. However, this course forms part of the Designated Degree in Mathematical and Statistical Studies, for which any two of Mathematics 3P, 3Q, 3R, 3S are also required.

Excluded Courses: Courses which would be excluded are: Statistics 3M Single MSci; Statistics 3H Single BSc; Statistics 3M Combined MSci; Statistics 3H Combined BSc.

Assessment: Degree examination in May/June will consist of three papers: two theory papers, one 2-hour and one 1-hour (together contributing 75%) and one 1.5-hour practical paper (15%). Various coursework tasks associated with the practical programme (10%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: to extend previous work on the Normal Linear Model under standard assumptions; to describe some of the main tools required for the construction, evaluation and verification of Normal Linear Models; to show how this methodology may be applied to special cases of the Normal Linear Model, such as the one- and two-way analysis of variance, the analysis of covariance, and multiple and polynomial regression; to provide methods for detecting and dealing with breakdowns in the standard assumptions for the Normal Linear Model; to provide

an introduction to the statistical aspects of designing experimental and observational studies, and to introduce associated methods of statistical analysis; to introduce students to Gaussian linear mixed effects models for balanced data and to the use of simple linear modelling software such as lm in S for this purpose; to provide an appreciation of the types of problems and questions which arise with multivariate data; to provide a good understanding of the application of multivariate techniques for: the graphical exploration of multivariate data; the reduction of dimensionality of multivariate data. to provide clear illustration of the application and interpretation of multivariate methods.

Course Co-ordinator: Prof Stephen Senn

409F STATISTICS 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Practicals: Monday and Thursday, 2.00 pm-4.00 pm. Tutorials: weekly for one hour at a time to be arranged.

Requirements of entry: Statistics 2R, 2S, 2X and 2Y (grade D or better) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade D or better). In addition, a grade point average of at least 12 is required across the four Statistics level 2 courses. Any additional requirement from the other Honours subject must also be satisfied.

Excluded Courses: Statistics 3M

Assessment: Six written papers (100%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: General skills which the Joint Honours courses both 3H and 4H are designed to provide include: (1) a sound grounding in the principles and theory of statistical inference; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use including some use of statistical packages; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) the ability to explain conclusions clearly and correctly and in non-technical language; (5) statistical programming skills; (6) practical experience of carrying out short statistical tasks using appropriate computing software (gained through limited participation in computer-based practicals and a short final-year project).

Honours Course Prescription: A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4 (Combined).

Course Co-ordinator: Prof Stephen Senn

409H STATISTICS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Practicals: Monday and Thursday, 2.00 pm-4.00 pm. Tutorials: weekly for one hour at a time to be arranged.

Requirements of entry: Statistics 2R, 2S, 2X and 2Y (grade D or better) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade D or better). In addition, a grade point average of at least 12 is required across the four Statistics level 2 courses.

Excluded Courses: Statistics 3M

Assessment: Eight written papers (66.7%), practical paper (8.3%), data-analysis project (16.7%), practical reports and self study portfolio (8.3%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: General skills which the Single Honours courses both 3H and 4H are designed to provide include: (1) a sound grounding in the principles and theory of statistical methods in everyday use; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) experience as a statistical consultant (primarily through project work, carried out under supervision, in which you advise a scientist, doctor or social scientist with problems involving analysis of data); (5) the programming and computing skills necessary to carry out the above; (6) the ability to explain conclusions clearly and correctly, both in writing and orally, and in non-technical language.

Honours Course Prescription: Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Statistics Project 3, Biostatistics 4, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4.

Course Co-ordinator: Prof Stephen Senn

0UEF STATISTICS 3M (COMBINED)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Tutorials: weekly for one hour at a time to be arranged.

Requirements of entry: Statistics 2R, 2S, 2X and 2Y (grade C or better) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade C or better). In addition, a grade point average of at least 14 is required across the four Statistics level 2 courses. Any additional requirement from the other Honours subject must also be satisfied.

Assessment: Six written papers (100%)

Aims: This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students some opportunity to develop practical skills in the analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills,

particularly in computer applications, oral and written communication, and problem solving; to provide students with experience of conducting statistical research (primarily through a final-year, research project); to prepare students for employment in a wide variety of contexts where statistical skills are valued, or for further study in statistics, and for engagement in lifelong learning

Honours Course Prescription: A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3

Course Co-ordinator: Dr Vincent MacAulay

0UFH STATISTICS 3M (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Practicals: Monday and Thursday, 2.00 pm-4.00 pm. Tutorials: weekly for one hour at a time to be arranged.

Requirements of entry: Statistics 2R, 2S, 2X and 2Y (grade C or better given an average of B) and Mathematics 2R (or 2W), 2S (or 2Z), 2X and 2Y (grade D or better). In addition, a grade point average of at least 14 is required across the four Statistics level 2 courses.

Assessment: Eight written papers and practical paper (75%), data-analysis project (16.7%), practical reports and portfolio of self study material (8.3%)

Aims: This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students the opportunity to develop practical skills in the collection, handling, analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications and programming, oral and written communication, and problem solving; to provide students with experience as a statistical consultant or researcher (primarily through two extended projects); to prepare students to undertake research in Statistics , for employment in a wide variety of contexts where statistical skills are valued, and for engagement in lifelong learning.

Honours Course Prescription: Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3 and Statistics Project 3.

Course Co-ordinator: Dr Vincent MacAulay

409G STATISTICS 4H (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Tutorials: weekly for two hours at times to be arranged.

Requirements of entry: Statistics 3H (Joint) or 3M (Joint) at grade D or better. Any additional requirement from the other Honours subject.

Excluded Courses: Statistics 4M

Assessment: Carry-over of marks from Statistics 3H (Joint) (50%). Four theory papers (33.3%). Project in Weeks 13-22 (16.7%).

Degree Examination taken in: May/June

Aims: General skills which the Joint Honours course is designed to provide include: (1) a sound grounding in the principles and theory of statistical inference; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use including some use of statistical packages; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) the ability to explain conclusions clearly and correctly and in non-technical language; (5) practical experience of carrying out short statistical tasks using appropriate computing software (gained through limited participation in computer-based practicals and a short final-year project).

Honours Course Prescription: A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4 (Combined).

Course Co-ordinator: Prof D Titterington

409J STATISTICS 4H (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Practicals: Tuesday, 11.00 am-1.00 pm and Friday, 2.00 pm-4.00 pm. Tutorials: weekly for two or three hours at times to be arranged.

Requirements of entry: Statistics 3H (Single) or 3M (Single) at grade D or better.

Excluded Courses: Statistics 4M

Assessment: Carry-over of marks from Statistics 3H (Single) (50%); Project in Weeks 13 -22 (16.7%); Seven written papers (29.2%); One practical paper. (3.1%), practical reports (1%)

Degree Examination taken in: May/June

Aims: General skills which the Single Honours courses both 3H and 4H are designed to provide include: (1) a sound grounding in the principles and theory of statistical methods in everyday use; (2) a critical, comprehensive, working knowledge of standard statistical methods in everyday use; (3) sufficient grounding to be able to handle at least some non-standard problems; (4) experience as a statistical consultant (primarily through project work, carried out under supervision, in which you advise a scientist, doctor or social scientist with problems involving analysis of data); (5) the computing skills necessary to carry out the above; (6) the ability to explain conclusions clearly and correctly, both in writing and orally, and in non-technical language.

Honours Course Prescription: Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Biostatistics 4, Statistics Project 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4.

Course Co-ordinator: Prof D Titterington

0UCG STATISTICS 4M (COMBINED)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Tutorials: weekly for two hours at times to be arranged.

Requirements of entry: Statistics 3H (Joint) or 3M (Joint) at grade B or better. Any additional requirement from the other Honours subject.

Assessment: Four theory papers (67%). Project in Weeks 13-22 (33%).

Aims: This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students some opportunity to develop practical skills in the analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications, oral and written communication, and problem solving; to provide students with experience of conducting statistical research (primarily through a final-year, research project); to prepare students for employment in a wide variety of contexts where statistical skills are valued, or for further study in statistics, and for engagement in lifelong learning.

Honours Course Prescription: A subset of: Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4 (Combined).

Course Co-ordinator: Dr Vincent MacAulay

0UDJ STATISTICS 4M (SINGLE)

Credits: 120 *Level:* 4

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Practicals: Tuesday, 11.00 am-1.00 pm and Friday, 2.00 pm-4.00 pm. Tutorials: weekly for two or three hours at times to be arranged.

Requirements of entry: Statistics 3H (Single) or 3M (Single) at grade B or better.

Assessment: Project in Weeks 13 -22 (33%); Seven written papers and practical paper. (65%), practical reports (2%)

Aims: This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students the opportunity to develop practical skills in the collection, handling, analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications and programming, oral and written communication, and problem solving; to provide students with experience as a statistical consultant or researcher (primarily through two extended projects); to prepare students to undertake research in Statistics, for employment in a wide variety of contexts where statistical skills are valued, and for engagement in lifelong learning.

Honours Course Prescription: Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Biostatistics 4, Statistics Project 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4.

Course Co-ordinator: Dr Vincent MacAulay

0UHG STATISTICS 5M (COMBINED)

Credits: 60 *Level:* 5

When Taught: Full Session (September - June)

Timetable: Lectures: at times to be arranged. Tutorials: weekly for two hours at times to be arranged.

Requirements of entry: Statistics 3M /4M (Joint) at grade B or better. Any additional requirement from the other Honours subject.

Assessment: Carry-over of marks from Statistics 3M/4M(Joint) (66%); , Combined Project contributes 40 credits of the Degree Programme in Weeks 1-24 (Statistics is nominally 20 credits), 3 Theory Papers and a Portfolio of work (23%)

Aims: This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students some opportunity to develop practical skills in the analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications, oral and written communication, and problem solving; to provide students with experience of conducting statistical research (primarily through a final-year, joint research project); to prepare students for employment in a wide variety of contexts where statistical skills are valued, or for further study in statistics, and for engagement in lifelong learning.

Honours Course Prescription: A subset of:Inference 3, Linear Models 3, Probability 3, Applied Modelling 3, Multivariate Statistics 3, Statistical Computing 3, Linear Mixed Models 3, Design of Statistical Investigations

3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Multivariate Inference 5, Advanced Statistical Computing 5, Topics in Statistical Research 5, Combined Research Project 5 , Communications Workshop 5

Course Co-ordinator: Dr Vincent MacAulay

0UJJ STATISTICS 5M (SINGLE)

Credits: 120 *Level:* 5

When Taught: Full Session (September - June)

Timetable: Lectures: at time to be arranged. Practicals: to be arranged.

Requirements of entry: Statistics 3M/4M (Single) at grade B or better.

Assessment: Carry-over of marks from Statistics 3M/4M (Single) (66%), Project in Weeks 1-24 (22%); Two theory papers (6%); Portfolio of Practical work (6%)

Aims: This degree programme aims: to provide students with a sound grounding in the principles and theory of statistics; to give students the opportunity to develop practical skills in the collection, handling, analysis and modelling of data; to develop in students the ability to apply their knowledge and practical skills to solve problems amenable to statistical analysis, no matter the subject area in which these problems arise; to enable students to enhance their transferable and inter-personal skills, particularly in computer applications and programming, oral and written communication, and problem solving; to provide students with experience as a statistical consultant or researcher (primarily through two extended projects); to prepare students to undertake research in Statistics, for employment in a wide variety of contexts where statistical skills are valued, and for engagement in lifelong learning.

Honours Course Prescription: Inference 3, Linear Models 3, Probability 3, Design of Statistical Investigations 3, Applied Modelling 3, Multivariate Statistics 3, Linear Mixed Models 3, Statistical Computing 3, Analysis of Data 3, Biostatistics 4, Statistics Project 3, Inference 4, Further Modelling 4, Stochastic Processes 4, Time Series and Spatial Processes 4, Applied Bayesian Modelling 4, Financial Statistics 4, Statistics Project 4, Analysis of Data 4, Advanced Statistical Computing 5, Statistics Research Project 5 - Single, Communications Workshop 5,Topics in Statistical Research 5, Multivariate Inference 5

Course Co-ordinator: Dr Vincent MacAulay

Theatre Film & T.V. Studies

For the academic year 2005/2006 all courses that comprise the Theatre Studies undergraduate curriculum are subject to change of timetable and assessment. This means that a series of new course codes will be issued for Level 1 and Level 2 courses. These new codes are not yet available so advisers should contact the Department of Theatre, Film and Television Studies office on extension 3809 or extension 3811 for up to date information. As a guide, however, in the Level 1 curriculum the Semester 1 course will be 'Theatre and society', and the Semester 2 'Reading the stage'; whilst in the Level 2 curriculum the year will be formally semesterised into two twenty credit courses, 'Ideas and forms of theatre 1' and Ideas and forms of theatre 2': with entry to the second course dependant on the successful completion of the first.

4GXU FILM AND TELEVISION STUDIES 1A: READING THE SCREEN - CINEMA

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday, 11-12pm; Wednesday, 11-12pm; Screening: Tuesday, 4-6pm (approx.); seminars weekly.

Requirements of entry: Normally open only to students in Arts who have been specifically admitted to this course through UCAS and have achieved the special entry tariff set by the Universitys Central Admissions Office.

Co-requisites: Reading the Screen - Television is a co-requisite for students intending to proceed to Level 2.

Assessment: One 2-hour examination paper (50%); one class essay (50%).

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: Level One: Overall Aims (1) To provide an introduction to the academic study of film and as a central forms of twentieth-century culture. (2) To identify specific critical methods for the analysis of cinema as text, and to promote an understanding of the social, cultural and industrial contexts in which it is produced. (3) To encourage an approach to cinema and television which recognises their diversity and their historical development. (4) To encourage critical reading and discussion of the literature associated with the study of film. Course Aims: The particular aims of the cinema course are: (1) To study the historical development of film as a visual language with its own specific codes and conventions of representation, and to assess the implications of these codes and conventions for social and cultural meaning. (2) To introduce some of the central debates of film theory and criticism as a foundation for subsequent study. (3) To understand the relationship between the industrial and commercial mode of production of cinema and its aesthetic and cultural forms. (4) To develop a sense of the diversity of cinema in both its classical and non-classical forms, and to recognize the significant differences between Hollywood and European cinema, for example, or between 'classical' Hollywood and contemporary cinema. (5) To encourage critical analysis of films both in essays and in seminar discussion.

Course Co-ordinator: Ms Karen Lury

4GYU FILM AND TELEVISION STUDIES 1B: READING THE SCREEN-TELEVISION

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday, 11-12pm; Wednesday, 11-12pm; Screening: Tuesday, 4-6pm (approx.); seminars weekly.

Requirements of entry: Normally open only to students in Arts who have been specifically admitted to this course through UCAS and have achieved the special entry tariff set by the Universitys Central Admissions Office.

Co-requisites: Reading the Screen - Cinema is a co-requisite for students intending to proceed to Level 2.

Assessment: One 2-hour examination paper (50%); one class essay (50%).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Level One: Overall Aims (1) To provide an introduction to the academic study of television as a central form of twentieth-century culture. (2) To identify specific critical methods for the analysis of television as a text, and to promote an understanding of the social, cultural and industrial context in which it is produced. (3) To encourage an approach to cinema and television which recognises their diversity and their historical development. (4) To encourage critical reading and discussion of the literature associated with the study of television. Course Aims: The particular aims of the television course are: (1) To provide an introduction to the systematic study of television as a significant and distinctive force in modern everyday life. (2) To encourage a critical and theoretical perspective on television texts past and present informed by the institutional contexts that have shaped them. (3) To promote an understanding of the relationship between television's industrial and commercial modes of production and its aesthetic and cultural forms. (4) To explore the major turning points in British television's historical, political and technological development as a way of relating institutional change to shifts in strategies of representation. (5) To investigate a selection of programme forms and genres, both fictional and factual, as part of an analysis of the specificity of television as a visual medium of information and entertainment. (6) To encourage critical analysis of television programmes and institutional history both in essays and in seminar discussion.

Course Co-ordinator: Ms Karen Lury

9JBV FTV2A: SPECTATORSHIP, AUDIENCES AND IDENTITIES

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Thursday 2-3; Friday 9-11; screening Wednesday 6pm; seminars weekly.

Requirements of entry: Satisfactory completion of both Level 1 courses with neither course attaining less than grade D.

Co-requisites: Film and Television Studies 2B: History and Aesthetics (9JAU) is a co-requisite for progress to Honours.

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: Level Two: Overall Course Aims (1) To introduce students to key theoretical and critical debates associated with the study of film and television as popular cultural forms. (2) To develop students' skills in textual, historical and industrial analyses of film and television (3) To introduce theories of national and cultural identities as key critical contexts for the study of cinematic and televisual representations, their production and consumption (4) To encourage critical and reflexive discussion of theories associated with the study of film and television (5) To provide students with a shared foundation in the theory and criticism of film and television

Course Co-ordinator: Dr Karen Boyle

9JAU FTV2B: HISTORY, AESTHETICS AND GENRE

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Thursday 2-3, Friday 9-11, screening Wednesday 6pm. Seminars weekly.

Requirements of entry: Satisfactory completion of both Level 1 courses with neither course attaining less than grade D.

Co-requisites: Film and Television Studies 2A: Spectatorship, Audiences and Identities (9JBV) is a co-requisite for progress to Honours

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: Level Two: Overall Course Aims (1) To introduce students to key theoretical and critical debates associated with the study of film and television as popular cultural forms. (2) To develop students' skills in textual, historical and industrial analyses of film and television (3) To introduce theories of national and cultural identities as key critical contexts for the study of cinematic and televisual representations, their production and consumption (4) To encourage critical and reflexive discussion of theories associated with the study of film and television (5) To provide students with a shared foundation in the theory and criticism of film and television

Course Co-ordinator: Dr Karen Boyle

9QQF FILM & TELEVISION STUDIES 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: As per courses

Requirements of entry: A B3 for each FTV Level 2 course, or equivalent, achieved at first sitting.

Assessment: Courses (Optional, Core and Dissertation, Junior and Senior Honours) contribute to the overall degree in a weight proportional to their credit rating, i.e.

40 credit courses @ 33.33%, 20 credit courses @ 16.67%. A number of different assessment modes will be used throughout the degree, with individual courses assessed in the way that is considered appropriate. Modes of assessment include short and long essays, analyses of films and television programmes, reviews and reports, formal examinations and class tests, individual and group presentations, individual and group project reports. A minimum of 15% of the assessment will be by formal examination or class tests.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. to provide a range of topics, approaches and methodologies which will enable students to begin to construct a learning programme which will explore aspects of film and/or television studies and their own interests within it; 2. to provide a context for the critical understanding of aesthetic debates in the field and to deepen understanding of selected textual practices; 3. to provide a context for the understanding of the cultural background and industrial practices within which cinema and/or television are produced and consumed; 4. to provide a context for a historical understanding of the development of film and/or television studies; 5. to foster research skills and an understanding of the appropriate methodologies for the study of film and/or television; 6. to encourage confident and effective presentation of applied work in a range of modes.

Honours Course Prescription: Junior Honours students take a Core course which can be either Film Analysis (20 credits) or Television Analysis (20 credits). The remaining required 40 credits can be achieved in a variety of ways: by completing the Media and Cultural Policy course (40 credits); by completing the practical course on Video Production (20 credits) and an additional Optional Honours course (20 credits); or by taking two Optional Honours courses (20 credits each). Optional Honours courses are available to both Junior and Senior Honours students and, each year are drawn from a list which includes the following: Hollywood Cinema in the 1970s, Hollywood Cinema in the 1980s, Hollywood Cinema in the 1990s, Contemporary British Cinema, Documentary, Asian Cinemas, Italian Cinema, Popular European Cinemas, Research Project in European Cinema, Genre Case Study, Australian Film and Television, Screen Performance, Television Drama, New German Cinema, Popular Music in Cinema, Silent Cinema, Film and Television Aesthetics, Children and Television, Television Theory, Feminist Film Theory, Screen Violence, Screen Audiences. Courses are usually repeated every two years so that students are offered maximum choice opportunity. Students will be allowed to take up to one outside Honours courses over the period of their Honours programme. The Honours Convenor must approve the choice of outside course.

Course Co-ordinator: Dr Karen Boyle

9QSH FILM & TELEVISION STUDIES 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: As per courses

Assessment: Courses (Optional, Core and Dissertation, Junior and Senior Honours) contribute to the overall degree in a weight proportional to their credit rating, i.e. 40 credit courses @ 16.67%, 20 credit courses @ 8.33%. A number of different assessment modes will be used throughout the degree, with individual courses assessed in the way that is considered appropriate. Modes of assessment include short and long essays, analyses of films and television programmes, reviews and reports, formal examinations and class tests, individual and group presentations, individual and group project reports. A minimum of 15% of the assessment will be by formal examination or class tests.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. to provide a range of topics, approaches and methodologies which will enable students to begin to construct a learning programme which will reflect the breadth of film and television studies and their own interests within it; 2. to provide a context for the critical understanding of the aesthetic debates in the field and to deepen understanding of selected textual practices; 3. to provide a context for the understanding of the cultural background and industrial practices within which cinema and television are produced and consumed; 4. to provide a context for a historical understanding of the development of film and television studies; 5. to foster skills in independent and group research and an understanding of the appropriate methodologies for the study of film and television;

Honours Course Prescription: Junior Honours students take three compulsory Core courses: Film Analysis (20 credits), Television Analysis (20 credits) and Media and Cultural Policy (40 credits). Students who decide to take the practical course on Video Production (20 credits) also take one Optional Honours course (20 credits). Alternatively students can take two Optional Honours courses (20 credits each). Optional Honours courses are available to both Junior and Senior Honours students and, each year are drawn from a list which includes the following: Hollywood Cinema in the 1970s, Hollywood Cinema in the 1980s, Hollywood Cinema in the 1990s, Contemporary British Cinema, Documentary, Asian Cinemas, Italian Cinema, Popular European Cinemas, Research Project in European Cinema, Genre Case Study, Australian Film and Television, Screen Performance, Television Drama, New German Cinema, Popular Music in Cinema, Silent Cinema, Film and Television Aesthetics, Children and Television, Television Theory, Feminist Film Theory, Screen Violence, Screen Audiences. Courses are usually repeated every two years so that students are offered maximum choice opportunity. Students will be allowed to take up to two outside Honours courses over the period of their Honours programme. The Honours Convenor must approve the choice of outside courses.

Course Co-ordinator: Dr Ian Garwood

101D THEATRE STUDIES 3

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday to Friday, generally p.m.

Requirements of entry: Theatre Studies 2 at Grade C.

Assessment: Students are required to take a total of three approved courses in the L3 year: one practical pathway (project and report weighted at 40%); and two optional courses, one in semester 1 and one in semester 2 (30% each – generally assesed 50% course work and 50% examination).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: (1) To make students proficient in a variety of approaches to the study of theatre, viz. the techniques of historical, sociological and theoretical analysis of the theatrical process, past and present. (2) To encourage students to test theoretical concepts by means of practical experimentation and to make a critical assessment of the results achieved. (3) To facilitate the establishment of links between students and the professional theatre in Scotland by means of the employment of visiting professional practitioners to teach or lecture, theatre visits and placement schemes. (4) To promote in students a facility to communicate both orally and in writing on topics relevant to the Theatre Studies course. (5) To develop further in students the ability to work together in groups and/or in teams, and to develop their ability to report coherently on collective or individual findings with rigour and constructive self-assessment.

Course Co-ordinator: Dr Patricia Skantze

101F THEATRE STUDIES 3H (JOINT)

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday to Friday, generally p.m.

Requirements of entry: Theatre Studies 2 at Grade B, obtained at first sitting.

Co-requisites: Acceptance into Joint Honours by another relevant Department and compliance with Arts Faculty regulations on Honours entry.

Assessment: Students take a total of six courses over the two year joint honours programme, three in the JH year and three in the SH year. JH: One core course – Performance Theory and Analysis – 15 credits – 75% 2500 word essay and 25% class presentations; One practical course – 30 credits – project mark, written portfolio, class work; One optional course – 15 credits – 75% 3500 word essay and 25% class presentation. SH: Core Course: Current issues – take away paper at the end of the semester (15 credits); Dissertation (30 credits); one optional courses – course work and exam (15 credits).

Aims: (1) To give students the opportunity to become proficient in a variety of approaches to the study of theatre, viz. the techniques of historical, sociological and theoretical analysis of the theatrical process, past and present. (2) To encourage students to test theoretical concepts by means of practical experimentation and to make a critical assessment of the results achieved. (3) To increase students' awareness of current debates surrounding the provision of theatre and allied arts in the United Kingdom, Europe and beyond, and to facilitate their informed contribution to such debates. (4) To facilitate the establishment of links between students and the professional theatre in Scotland by means of the employment of visiting professional practitioners to teach or lecture, theatre visits and placement schemes. (5) To promote in students a facility to communicate both orally and in writing on topics relevant to the Theatre Studies course. (6) To develop further in students the ability to work together in groups and/or teams, and to develop their ability to report coherently on collective or individual findings with rigour and constructive self-assessment.

Honours Course Prescription: 3H year One core course – Performance Theory and Analysis One practical course – chosen from an approved selection. One optional course – chosen from an approved selection.

Course Co-ordinator: Dr Patricia Skantze

101H THEATRE STUDIES 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: Monday to Friday, generally p.m.

Requirements of entry: Theatre Studies 2 at Grade B, obtained at first sitting,

Assessment: Students take a total of twelve courses over the two year single honours programme: six in the JH year and six in the SH year. JH: Performance Analysis – course work and essay (7.5%); Practical pathway – project and report (10%); three optional courses – course work and essay (22.5%); one group project – project and report (10%). SH: Current issues – take away paper at the end of the semester (7.5%); Dissertation (10%); two optional courses – course work and exam (15%); Cultural policy – report at the end of the semester (7.5%); Project element – Practical option or Double-weighted dissertation or Work placement (10%). Percentages are of total Honours assessment. Options offered vary from session to session.

Degree Examination taken in: May/June

Aims: (1) To give students the opportunity to become proficient in a variety of approaches to the study of theatre, viz. the techniques of historical, sociological and theoretical analysis of the theatrical process, past and present. (2) To encourage students to test theoretical concepts by means of practical experimentation and to make a critical assessment of the results achieved. (3) To increase students' awareness of current debates surrounding the provision of theatre and allied arts in the United Kingdom, Europe and beyond, and to facilitate their informed contribution to such debates. (4) To facilitate the establishment of links between students and the professional theatre in Scotland by means of the employment of visiting professional practitioners to teach or lecture, theatre visits and placement schemes. (5) To promote in students a facility to communicate both orally and in writing on topics relevant to the Theatre Studies course. (6) To develop further in students the ability to work together in groups and/or teams, and to develop their ability to report coherently on collective or individual findings with rigour and constructive self-assessment.

Course Co-ordinator: Dr Patricia Skantze

9QRG FILM & TELEVISION STUDIES 4H (JOINT)

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: As per courses

Requirements of entry: A B3 for each FTV Level 2 course, or equivalent, achieved at first sitting.

Assessment: Courses (Optional, Core and Dissertation, Junior and Senior Honours) contribute to the overall degree in a weight proportional to their credit rating, i.e. 40 credit courses @ 33.33%, 20 credit courses @ 16.67%. A number of different assessment modes will be used throughout the degree, with individual courses assessed in the way that is considered appropriate. Modes of assessment include short and long essays, analyses of films and television programmes, reviews and reports, formal examinations and class tests, individual and group presentations, individual and group project reports. A minimum of 15% of the assessment will be by formal examination or class tests.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: 1. to provide a range of topics, approaches and methodologies which will enable students to complete a learning programme which explores key areas in film and/or television studies and reflects their own interests in the discipline; 2. to provide a context for the advanced critical understanding of selected aesthetic, cultural and historical debates in film and/or television studies; 3. to provide a context for the confident and critical application of theoretical approaches and methods to specialised areas of cinema and/or television; 4. to refine skills in independent research and encourage advanced levels of scholarship in response to current academic research in selected fields of study; 5. to consolidate effective presentational skills appropriate for the activities being undertaken and the context in which they are presented.

Honours Course Prescription: Senior Honours students select two Optional Honours courses (20 credits each) and complete a Joint Honours Dissertation (20 credits). Students who are doing a Dissertation as part of their other subject programme are given the possibility of not doing a Dissertation for Film and Television Studies but taking an Optional Honours course (20 credits) instead.

Course Co-ordinator: Dr Ian Goode

101G THEATRE STUDIES 4H (JOINT)

(See: 101F THEATRE STUDIES 3H (JOINT))

101J THEATRE STUDIES 4H (SINGLE)

(See: 101H THEATRE STUDIES 3H (SINGLE))

Theology & Religious Studies

Many of the level 1 and 2 courses offered by the Department of Theology and Religious Studies are also offered by distance education. Additionally there are distance taught courses that are not available as conventional campus taught modules. Please contact the Department for further details, or view these courses through the distance learning link on the departmental website (www.religions.divinity.gla.ac.uk). Student advisers should contact the Department prior to enrolling students on distance learning courses.

4FGU ARABIC LANGUAGE 1

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Tuesday, Thursday 10.00 am

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: 1.5 hours Class examination in January (25% weighting); assessed homework (25%); 2 hour end of course examination in May/June (50% weighting)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce students to the basics of Arabic grammar and to give them an appreciation of modern and classical Arabic.

Course Co-ordinator: Dr Mona Siddiqui

8WFU BIBLICAL STUDIES 1A: OLD TESTAMENT/TANAKH

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday, Tuesday, Wednesday 9.00 am Tutorials: Thursday, Friday 9.00am

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: 1 essay or project (50%); 1 two hour end of course exam (50%)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to critical study of the English Bible and issues in its interpretation, with special reference to the Old Testament.

Course Co-ordinator: Dr Alastair Hunter

0HTU BIBLICAL STUDIES 1B: NEW TESTAMENT

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Tues, Thurs and Fri 09.00; Tutorials: Mon, Wed 9.00 am

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: 1 x 1500 word essay (50% weighting); 2 hour end of course examination in May/June(50% weighting);

Aims: To provide a broad introduction to the criticism and interpretation of the New Testament

Course Co-ordinator: Dr Louise Lawrence

9GRU CHRISTIAN THEOLOGY

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Tuesday, Thursday and Friday 10am Tutorials: Monday, Wednesday 10am

Excluded Courses: It is not possible to take both this course and its distance learning version.

Assessment: Coursework essay of 1,500 words. Project of 1,500 words (excluding appendices). Students are also required to complete a compulsory but non-assessed record of their learning progress through the course.

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To explore the various sources (e.g. scripture, tradition, reason and experience) from which Christian theology has emerged within the life of the Church. To generate an awareness of key concepts in Christian theology and how these form a living tradition which is responsive to historical and cultural change. To provide the resources through which students can engage with Christian theology in order to formulate their own responses to issues of contemporary concern.

Course Co-ordinator: Prof George Newlands

156U CLASSICAL HEBREW LANGUAGE I

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Monday, Tuesday, Wednesday 10-11am

Assessment: Assessed homework (25% weighting); 1.5 hours class examination in January (25% weighting); 2 hour end of course examination in May/June (50% weighting).

Degree Examination taken in: May/June

Aims: To cover the basics of classical (Biblical) Hebrew sufficiently to enable independent reading of narrative materials in the Hebrew Bible.

Course Co-ordinator: Dr Tamlin Lizius

9GPU HISTORY OF CHRISTIANITY

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday, Tuesday, Friday 10.00 am. Seminars: Wednesday, Thursday 10.00 am

Requirements of entry: None

Co-requisites: None

Assessment: 1 x 1500 word essay (50% weighting); 2 hour end of course examination in January (50% weighting)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: Aims: Introduction to the broad history of Christianity: origins, major turning points and phases, key personalities and writings, self-understanding and evolving thought-patterns. Content: Lectures follow a series of essential topics illustrating the main contours and landmarks of Christianity's evolution, internal and external, from the first to the twentieth centuries. Highlighted are the varieties of interface between Church, societies and cultures. The origins of modern Christian diversity and pluriformity, nationally and internationally, will be explained. The global approach of the lectures will be balanced by exposure in the tutorials to samples of original documentary sources.

Course Co-ordinator: Prof William Hazlett

456U NEW TESTAMENT GREEK 1

Credits: 20 *Level:* 1

When Taught: Full Session (September - June)

Timetable: Lectures: Tuesday, Thursday and Friday 11.00 am (February to May, only Tuesday and Friday)

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: Assessed Homework (25% weighting) Exams:1.5 hour Class exam in January (25% weighting) 2 hour end of course exam in May/June (50% weighting)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To acquire a reading knowledge of New Testament Greek.

Course Co-ordinator: Dr Susan Miller

8VCU WORLD RELIGIONS 1A: JUDAISM, CHRISTIANITY AND ISLAM

Credits: 20 *Level:* 1

When Taught: Semester 1 (September - January)

Timetable: Lectures: Monday, Tuesday, Thursday 2.00. Seminars: Wednesday, Friday 2.00 pm

Requirements of entry: None

Co-requisites: None

Excluded Courses: None

Assessment: Class essay (50% weighting): 2 hour end of course exam in May/June (50% weighting)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: Students will examine the approach taken by three major monotheistic religions - Judaism, Christianity and Islam - to three major areas of concern: Belief, Religion in Society and Texts and Scriptures.

Course Co-ordinator: Dr Lloyd Ridgeon

8VDU WORLD RELIGIONS 1B: EASTERN RELIGIONS

Credits: 20 *Level:* 1

When Taught: Semester 2 (January - June)

Timetable: Lectures: Monday, Tuesday, Thursday, 2.00 pm. Tutorials: Wednesday, Friday 2.00 pm

Requirements of entry: None

Assessment: Class essay (50% weighting); 2 hour end of course exam in June (50% weighting)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: The course aims to provide an introduction to the history of the major religious traditions of the east, designed to form part of an Arts, Divinity or Social Science degree and to provide a basis for further work in the field of religious studies.

Course Co-ordinator: Prof Perry Schmidt-Leukel

JBMV BUDDHISM 2

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 2.00-4.00 p.m. Mondays and Thursdays

Requirements of entry: Grade D or better in any non-language level one Theology & Religious Studies course

Co-requisites: None

Excluded Courses: None

Assessment: 1 x 2,500 word essay (40% weighting). 3 hour end of course exam (60% weighting)

Aims: 1. To introduce Buddhism in its historical development and major branches. 2. To make students familiar with the use of Buddhist scriptures. 3. To explore the central beliefs and philosophical ideas of original Buddhism and their subsequent transformations. 4. To make comprehensible the correlation between Buddhist thought and Buddhist practice.

Course Co-ordinator: Prof Perry Schmidt-Leukel

JBNV ISLAM: PLURALISM, GENDER AND ETHICS 2

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 11 am - 1 pm Tuesday and Thursday

Requirements of entry: Grade D or better in any non-language level 1 course in Theology & Religious Studes, or Grade D or better in Arabic Level 1

Co-requisites: None

Excluded Courses: None

Assessment: 2 pieces of course work (40%), 2 hour end-of-course exam (60%)

Aims: This course seeks to address common misperceptions of Islam's approach to pluralism, the position of women and ethics. It will examine such issues by investigating what the Qur'an says about pluralism, the role of women and various ethical issues. In addition, the course will outline how later Islamic thinkers have interpreted these Qur'anic injunctions and how they have been perceived and practiced within the Islamic community.

Course Co-ordinator: Dr Lloyd Ridgeon

7TRV MATTHEW 2

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: Tuesday 2-4, Friday 2-3

Requirements of entry: Grade D or better in any Level 1 Theology & Religious Studies course

Co-requisites: None

Excluded Courses: None

Assessment: 2 pieces of course work (40% weighting). 3 hour end of course exam in May/June (60% weighting)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To develop critical historical and literary skills in the reading of Matthew's gospel, and to be able to evaluate some of the main secondary literature.

Course Co-ordinator: Dr Louise Lawrence

0GUV OLD TESTAMENT/TANAKH TEXTS (ENGLISH)

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday and Thursday, 2-4 p.m.

Requirements of entry: Grade D or better in any Level 1 Theology & Religious Studies option.

Co-requisites: None

Excluded Courses: Old Testament/Tanakh Texts (English)

Assessment: One essay of 2000 words (40% weighting); Project (20% weighting); End of course exam (2 hours) (40% weighting).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To build on the general knowledge of the texts gained in Level 1. To engage in close reading of selected texts from Torah and Prophets. To relate biblical texts to a variety of religious and secular contexts.

Course Co-ordinator: Dr Alastair Hunter

0UAV OLD TESTAMENT/TANAKH TEXTS (HEBREW)

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday and Thursday, 2-4 p.m.

Requirements of entry: Hebrew 1 or equivalent at grade D or better

Co-requisites: None

Excluded Courses: Old Testament/Tanakh Texts (English)

Assessment: One essay of 2000 words (40% weighting); Hebrew class exam (20% weighting); End of course exam (2 hours) (40% weighting).

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To build on the general knowledge of the texts gained in Level 1. To engage in close reading of selected texts from Torah and Prophets. To relate biblical texts to a variety of religious and secular contexts. To acquire advanced skills in reading and interpreting selected Tanakh texts in Hebrew.

Course Co-ordinator: Dr Alastair Hunter

7WBV RELIGIOUS STUDIES 2

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Monday, Tuesday, Thursday, Friday 10.00 am

Requirements of entry: Grade D or better in any Level 1 Theology & Religious Studies course

Assessment: Two x 2000 word essays (40% weighting), three hour end of course exam (60% weighting)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: This course will aim to develop a knowledge of four major religious traditions (Islam, Christianity, Judaism, Buddhism), giving attention specifically to the idea of God and the Divine from two major perspectives - that of the religions of the book, and that of Eastern religions. The second part of the course will deal with contemporary issues in religion, specifically that of pluralism. The third part of the course will introduce students to the basic issues of the Sociology of Religion and Anthropology of Religion.

Course Co-ordinator: Prof David Jasper

8WDV SCOTTISH CHURCH HISTORY FROM 1560:PEOPLE, CHURCH & CHANGE

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: 11-1, Monday & Friday

Requirements of entry: Pass at Grade D or better in any Level 1 Theology & Religious Studies course

Assessment: 2 coursework essays (40%), an oral class presentation (10%), final examination (50%)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To introduce the history of church, religious beliefs and practices in Scotland since the 16thc Reformation, by exploring some key themes, events, movements and ideas. To consider the ways in which Christian institutions, doctrines and attitudes impacted upon, and were themselves influenced by, processes of social, economic, political and cultural change in Scotland.

Course Co-ordinator: Dr Lesley Orr

7HFV THEOLOGY SINCE THE ENLIGHTENMENT 2

Credits: 20 *Level:* 2

When Taught: Semester 1 (September - January)

Timetable: 11-1, Tuesday and Thursday

Requirements of entry: Grade D or better in any Level 1 Theology & Religious Studies course

Co-requisites: None

Excluded Courses: None

Assessment: 2 x 2000 word essays (40% weighting), 3 hour end of course examination in January (60% weighting)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To introduce students to the main developments in Christian theology from 1750 to the present.

Course Co-ordinator: Prof George Newlands

8ZJV WORSHIP, RITUAL AND BELIEF

Credits: 20 *Level:* 2

When Taught: Semester 2 (January - June)

Timetable: Tuesday and Friday 2pm-4pm Tutorial - to be arranged

Requirements of entry: Grade D should normally be obtained at level 1 for entry to this course

Assessment: 2 x 2000 word essays/presentation (40% weighting) · Essay 1 due March · Class Presentation - due April 3 hour end of course examination (60% weighting)

Degree Examination taken in: May/June

Resit Examination taken in: August/September

Aims: To examine the history and practice of religious ritual, liturgy and sacraments and the influence of religious ritual on common human experience

Course Co-ordinator: Dr Heather Walton

4FLH DIVINITY (MINISTRY) HONOURS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Religious Studies 1A and 1B; Biblical Studies 1A and 1B; Theology and Church History 1A and 1B; 40 Arts credits; three Level 2 Theology and Religious Studies courses. All courses at average of grade D with at least one grade C.

Assessment: Three pieces of course work 30%; One three hour degree examination 70%

Degree Examination taken in: May/June

Aims: (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations

using bibliographical resources.(5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

Course Co-ordinator: Dr Alastair Hunter

4FKH DIVINITY HONOURS 3H (SINGLE)

Credits: 120 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Religious Studies 1A and 1B; Biblical Studies 1A and 1B; Theology and Church History 1A and 1B; 40 Arts Credits; three Level 2 Theology and Religious Studies courses. All courses at average of grade D with at least one grade C.

Assessment: Three pieces of course work 30%; One three hour degree examination 70%

Degree Examination taken in: May/June

Aims: (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

Course Co-ordinator: Prof David Jasper

4EXF THEOLOGY AND RELIGIOUS STUDIES 3H (JOINT) M.A.

Credits: 60 *Level:* 3

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Two of Biblical Studies 1A and 1B, Theology and Church History 1A and 1B, Religious Studies 1A and 1B, plus two level 2 Divinity courses. All courses at average of grade D with at least one grade C.

Assessment: Four papers with course work (30%), 3 hour degree examinations (70%) for each OR three papers as above and a dissertation.

Degree Examination taken in: May/June

Aims: (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

1AHW WISDOM LITERATURE IN THE OLD TESTAMENT

Credits: 30 *Level:* 3

When Taught: Semester 1 (September - January)

Timetable: One two hour session per week, plus tutorials

Requirements of entry: Grade D or better in at least one Level 1 and Level 2 course in Theology & Religious Studies, including at least one Biblical course.

Co-requisites: None

Excluded Courses: Level two versions of the wisdom course (including one in distance form).

Assessment: One 3,000 word essay (50% weighting) and one three-hour end of course examination (50% weighting)

Degree Examination taken in: January

Resit Examination taken in: August/September

Aims: To explore the definition of wisdom as literary genre and to discuss its significance for the interpretation of certain Old Testament traditions and texts

Course Co-ordinator: Dr Alastair Hunter

4FLJ DIVINITY (MINISTRY) HONOURS 4H (SINGLE)

(See: 4FLH DIVINITY (MINISTRY) HONOURS 3H (SINGLE))

4FKJ DIVINITY HONOURS 4H (SINGLE)

(See: 4FKH DIVINITY HONOURS 3H (SINGLE))

4EXG THEOLOGY AND RELIGIOUS STUDIES 4H (JOINT) M.A.

Credits: 60 *Level:* 4

When Taught: Full Session (September - June)

Timetable: To be advised

Requirements of entry: Two of Biblical Studies 1A and 1B, Theology and Church History 1A and 1B, Religious Studies 1A and 1B, plus two level 2 Divinity courses. All courses at average of grade D with at least one grade C.

Assessment: Four papers with course work (30%), 3 hour degree examinations (70%) for each OR three papers as above and a dissertation.

Degree Examination taken in: May/June

Aims: (1) To provide a wide-ranging core curriculum of courses in the disciplines associated with Theology and Religious Studies at Levels 1 and 2. (2) To enable students to pursue independent study of a chosen selection of the relevant disciplines in depth by means of primary and secondary texts, using original languages where appropriate, discussion with recognised experts in the disciplines, and interaction with fellow students. (3) To help students to make connections between different disciplines and to reflect creatively on the connections thus effected. (4) To encourage and extend students' powers of original thought and to afford a context for this in the form of discussion papers and dissertations using bibliographical resources. (5) To encourage the development of a range of generic and transferable skills such as willingness to learn, good communication skills, analytic ability, logical argument, the ability to summarise key issues, problem solving skills, and the ability to work well with others. (6) To encourage students to reflect on the ways in which both academic learning and generic skills relate to the wider society in which they live.

Faculty Course Lists - Courses Available for Degree Programmes

The Faculty course lists below give information on courses available for particular degree programmes within those Faculties. Please note that not all Faculties covered by this Catalogue are included in this section. If you require further information, please contact the relevant Faculty Office.

Courses Available in the Faculty of Arts

Designated MA Degrees

NB: from time to time, appropriate subjects or courses may be added to those listed as forming the core in each of the degrees below.
Credit-bearing courses from the Department of Adult and Continuing Education may form part of the core of designated degrees as appropriate, e.g. the Popular Music Culture course 7EN7 contributes to the core of the Creative and Cultural Studies degree. Students should consult the Chief Adviser of Studies for further information.

MA (Ancient Studies)
The MA (Ancient Studies) aims to enhance students' cultural and historical awareness through the pursuit of studies in a variety of disciplines focused on the ancient civilisations of Europe and the Near East.

The core subjects for this degree are:
Archaeology
Civil Law
Classical Civilisation (Classics)
Greek (Classical)
Humanities Computing (up to 2 courses)
Islamic Studies
Latin (Humanity)
Theology & Religious Studies

MA (Creative and Cultural Studies)
The MA (Creative and Cultural Studies) aims to enable students to develop their understanding and appreciation of the performing/visual arts within a broad cultural context.

The core subjects for this degree are:
Film & Television Studies
History of Art
Humanities Computing (up to 2 courses)
Music
Space, Cyberspace and the Self 3
Theatre Studies

MA (European Civilisation)
The MA (European Civilisation) aims to enable students to explore the cultural heritage of Modern Europe through selecting courses drawn from a wide variety of disciplines, linked by their common European context.

The core subjects for this degree are:
Archaeology
Celtic Civilisation
Classical Civilisation (Classics)
Comparative Literature
Consciousness and Cognition 3
Education
Film & Television Studies (specified courses)
History subjects
History of Art
Humanities Computing
Languages (40 credits in one language other than English are compulsory)
Music
Literature subjects
Philosophy
Slavonic Studies
Space, Cyberspace and the Self 3
Theatre Studies
A Critical Approach to Rhetoric and Oratory 3

The core curriculum for this degree must include (i) at least 40 credits in a language other than English or English Language level 2 (ii) Philosophy and (iii) a subject from the above list which is not a language or Philosophy; the core curriculum must not consist solely of languages and philosophy.

MA (Historical Studies)
The MA (Historical Studies) aims to enable students to pursue a broadly based programme of historical study incorporating topics from a wide range of countries and periods.

The core subjects for this degree are:
Archaeology
Celtic Civilisation
Civil Law
Classical Civilisation (Classics)
Economic and Social History
History of Art
History Subjects
Humanities Computing (up to 2 courses)
Islamic Studies
Science: History and Culture 1 (Crichton)
Scottish History
Theology & Religious Studies

At least 80 credits in this degree must be History courses which means in this case Archaeology or Economic & Social History or one of a selection of courses in Medieval, Early Modern, Modern, American and Scottish History.

MA (Linguistic Studies)
The MA (Linguistic Studies) aims to enable students to develop their knowledge of language and their awareness of linguistic and related cultural issues by following a programme which combines the study of a number of different languages.

The core subjects for this degree are:
Czech

Gaelic
English Language
French
German
Greek (Classical)
Italian
Latin (Humanity)
Polish
Portuguese
Russian
Spanish

Courses from the core must include at least two and not more than three languages other than English. However, in the case of a student whose native language is not English, English Language may count towards fulfilment of this requirement.

MA (Literary Studies)

The MA (Literary Studies) gives students the opportunity to develop their understanding of literature by studying works which may be drawn from a range of national cultures.

The core subjects for this degree are:
English Language
English Literature
Celtic Civilisation
Classical Civilisation (Classics)
Comparative Literature
Humanities Computing (up to 2 courses)
Language courses which include the study of literature
Scottish Literature
Slavonic Studies
A Critical Approach to Rhetoric and Oratory L3

MA (Philosophical Studies)
The MA (Philosophical Studies) aims to enhance students' awareness of philosophical issues and of their relevance to other disciplines and areas of life.

The core subjects for this degree are:
Consciousness and Cognition 3
Education
Islamic Studies
Jurisprudence
Philosophy
Politics
Psychology
Space, Cyberspace and the Self 3
Theology and Religious Studies

Courses from the core must include at least 80 credits in Philosophy, at least 20 credits of which must be at least at level two. The Level 3 courses in Consciousness and Cognition and Space, Cyberspace and the Self in this case are considered as Philosophy core courses.

MA (Scottish Studies)
The MA (Scottish Studies) aims to enable students to enhance their cultural awareness by studying the history, language and civilisation of Scotland, past and present.

The core subjects for this degree are:
Archaeology of Scotland
Celtic Civilisation
English Language 2
Gaelic
History 3: Region, Nation, Culture - Scotland and Northern Europe from the 10th to the 20th centuries
Scottish History
Scottish Literature

Schedules A and B for the BD and BD(Min) degrees

Delivery Mode
C = Campus/Classroom
D = Distance

Schedule A Courses

Arabic Texts (Level: 2; Delivery Mode: C)
Arabic (Level: 1; Delivery Mode: C)
Biblical Studies A: Old Testament / Tanakh (Level: 1; Delivery Mode: C+D)
Biblical Studies B: New Testament (Level: 1; Delivery Mode: C)
Buddhism (Level: 2; Delivery Mode: C)
Christian Theology (Level: 1; Delivery Mode: C)
Christianity & Public Issues (Level: 2; Delivery Mode: C)
Christology and Ecclesiology (Level: 2; Delivery Mode: C)
Classical Hebrew (Level: 1; Delivery Mode: C)
Dissertation (60 credits) (Level: 3; Delivery Mode: C+D)
Early Church History & Doctrine (Level: 2; Delivery Mode: C)
East Asian Philosophies (Level: 2; Delivery Mode: C)
Epistles (Level: 2; Delivery Mode: C+D)
Ethics and Belief (Level: 1; Delivery Mode: D)
Feminist Biblical Interpretation (Level: 2,3; Delivery Mode: C)
Hinduism (Level: 2; Delivery Mode: C)
History of Christianity (Level: 1; Delivery Mode: C)
Introduction to Hermeneutics (Level: 2; Delivery Mode: C+D)
Islam (Level: 1; Delivery Mode: C)
Islam: Gender, Ethics & Pluralism (Level: 2; Delivery Mode: C)
Judaism (Level: 2; Delivery Mode: D)
Matthew (Level: 1; Delivery Mode: D)
Matthew (Level: 2; Delivery Mode: C)
Modern Catholicism (Level: 2; Delivery Mode: C)
Modern Islamic Politics (Level: 2; Delivery Mode: C)
Modern Judaism (Level: 3; Delivery Mode: C)
New Testament Greek (Level: 1; Delivery Mode: C)
Old Testament/Tanakh (Eng. & Hebrew) (Level: 2; Delivery Mode: C)
Paul's Letters (Level: 2; Delivery Mode: C)
Reflective Practice (Level: 2; Delivery Mode: C)
Reformation History (Level: 2; Delivery Mode: C)
Reformation Theologies (Level: 2; Delivery Mode: D)

Religion and Cinema (Level: 2; Delivery Mode: D)
Religion in Scotland (Level: 1; Delivery Mode: D)
Religious Studies (Level: 2; Delivery Mode: C)
Scottish Church History from 1560 (Level: 2; Delivery Mode: C)
Theological Questions (Level: 1; Delivery Mode: D)
Theology Past & Present (Level: 1; Delivery Mode: D)
Theology since the Enlightenment (Level: 2; Delivery Mode: C)
Wisdom (Level: 2; Delivery Mode: D)
Wisdom (Level: 3; Delivery Mode: C)
Women and Religion (Level: 2; Delivery Mode: D)
World Religions A: Judaism, Christianity & Islam (Level: 1; Delivery Mode: C)
World Religions B: Eastern Religions (Level: 1; Delivery Mode: C)
Worship (Level: 1; Delivery Mode: D)
Worship, Ritual and Belief 2 (Level: 2; Delivery Mode: C)

Schedule B Courses

Biblical Studies A: Old Testament/Tanakh (Level: 1; Delivery Mode: C+D)
Biblical Studies B: New Testament (Level: 1; Delivery Mode: C)
History of Christianity (Level: 1; Delivery Mode: C)
Christian Theology (Level: 1; Delivery Mode: C)
World Religions A: Judaism, Christianity & Islam (Level: 1; Delivery Mode: C)
World Religions B: Eastern Religions (Level: 1; Delivery Mode: C)

Courses Available in the Faculty of Law, Business and Social Sciences

Bachelor of Accountancy and Law

List A (compulsory) - Ordinary

Financial Accounting 1 (20 credits)
Management Accounting 1 (20 credits)
Financial Accounting 2 (20 credits)
Management Accounting 2 (20 credits)
Introduction to Business Statistics (15 credits)
Business Statistics 2 (15 credits)
Finance 1 (20 credits)
Business Law 1 (20 credits)
Commercial Law for Business (20 credits)
Sources and Institutions in Scots Law (40 credits)
Taxation (30 credits)

List B (optional) - Ordinary

Contemporary Financial Reporting Issues (15 credits)
Accounting and Business Ethics (15 credits)
Accounting Theory and Policy (15 credits)15
Advanced Financial Accounting Practice (15 credits)
Auditing Theory and Practice (15 credits)
Managerial Accounting and Organisational Behaviour (15 credits)
Accounting for Management Control (15 credits)
Finance 2 (15 credits)
Financial Markets and Financial Institutions (15 credits)
Capital Markets Theory (15 credits)
International Financial Management (15 credits)
International Financial Accounting (15 credits)
Financial Statement Analysis (15 credits)
Social Accounting, Reporting and Finance (15 credits)
Social, Ethical and Environmental Accountability (15 credits)
European Union Law (10 credits)
Information and Computer Systems (20 credits)
International Private Law 2 (20 credits)
Labour Law (20 credits)
Property Law (40 credits)
Law and Government (20 credits)

List C (optional) - Ordinary

List C consists of any course included in the *Undergraduate Course Catalogue*, other than those specified in Lists A, B, D or E.

List D (optional) - Honours courses Accountancy

Capital Markets Theory (15 credits)
Contemporary Financial Reporting Issues (15 credits)
Accounting Theory and Policy (15 credits)
Advanced Financial Accounting Practice (15 credits)
Auditing Theory and Practice (15 credits)
Managerial Accounting and Organisational Behaviour (15 credits)
Accounting for Management Control (15 credits)
International Financial Management (15 credits)
International Financial Accounting (15 credits)
Financial Statement Analysis (15 credits)
Financial Markets and Financial Institutions (15 credits)
Research Methodology (Accountancy) (15 credits)
Social Accounting, Reporting and Finance (15 credits)
Social, Ethical and Environmental Accountability (15 credits)

List E (optional Honours courses Law)

Level 3
Civil Jurisdiction and Evidence (30 credits)
Commercial Banking (30 credits)
Comparative Law (30 credits)
European Legal History (30 credits)
Human Rights and Scots Law (30 credits)
International Family Law (30 credits)
Intellectual Property Law (30 credits)
Institutions of International Law (30 credits)
Institutions and Judicial Control of the EU (30 credits)
Legal Theory (30 credits)

Level 4
Administrative Law (30 credits)
Child Law (30 credits)
Company Law (30 credits)
Comparative Law (30 credits)
Computers and the Law (30 credits)

Constitutional Law (30 credits)
Conveyancing-Commercial Missives (30 credits)
Criminal Law: History and Theory (30 credits)
Environmental Law (30 credits)
European Human Rights Project (30 credits)
European Rules on Competition (30 credits)
European Social Law (30 credits)
Forensic Investigation (30 credits)
Forensic Medical Investigation (30 credits)
Genetics and the Law (30 credits)
History of Scots Law (30 credits)
Human Reproduction and the Law (30 credits)
Immigration and Asylum Law (30 credits)
International Criminal Law (30 credits)
International Economic Law (30 credits)
International Private Law (30 credits)
International Law and Problems of the Contemporary World (30 credits)
International Taxation (30 credits)
Law and Ethics (30 credits)
Law and Social Theory (30 credits)
Legal Aspects of European Ext Relations (30 credits)
Medico-Legal Problems (30 credits)
Obligations (30 credits)
Peoples, Indigenous Peoples and Minorities (30 credits)
Prejudice, Discrimination and the Law (30 credits)
Property Law (30 credits)
Public Procurement (30 credits)
Reception of Laws (30 credits)
Socio-Legal Perspectives on Criminal Law (30 credits)
United Nations Law (30 credits)

Any other Law Honours option for which the student holds the necessary prerequisites.

Not all options will be available every session.

Courses Available in the Faculties of Science

The courses available in the Faculties of Science in session 2005-2006 are listed below, together with the level at which each course is offered and the number of credits which each course is worth.

Further details of each course are given in this Catalogue, under departmental entries, including a description of the syllabus, the course code for matriculation purposes, the name of the organising department(s), the course timetable, the methods of assessment and any pre-requisites or co-requisites or other conditions of entry.

N.B. * available only to students admitted in session 2002-2003 or earlier.

ANATOMY

Anatomy 3H (Level: 3H; Credits: 120)
Anatomy 4H (Level: 4H; Credits: 120)
Anatomy Work Placement Year (Credits: 120)
Anatomy (Level: 4M; Credits: 120)

ANIMAL BIOLOGY

Animal Biology 3D (Level: 3; Credits: 80)

APPLIED MATHEMATICS

See under *Mathematics*

AQUATIC BIOSCIENCE

Aquatic Bioscience 3H (Level: 3H; Credits: 120)
Aquatic Bioscience 4H (Level: 4H; Credits: 120)
Aquatic Bioscience Work Placement Year (Credits: 120)
Aquatic Bioscience 4M (Level: 4M; Credits: 120)

ARCHAEOLOGY

Archaeology 1X Introduction to Archaeological Practice (Level: 1; Credits: 20)
Archaeology 1Y The Archaeology of Scotland (Level: 1; Credits: 20)
Archaeology 1Z Archaeology in Contemporary Society (Level: 1; Credits: 20)
Archaeology 2G Field Archaeology in Theory and Practice (Level: 2; Credits: 20)
Archaeology 2H Analytical Archaeology (Level: 2; Credits: 20)
Archaeology 2J Archaeology of Europe and the Mediterranean (Level: 2; Credits: 20)
Archaeological Studies 3 (Level: 3; Credits: 80)
Archaeology 3H (Single) (Level: 3H; Credits: 120)
Archaeology 4H (Single) (Level: 4H; Credits: 120)
Archaeology 3H (Combined) (Level: 3H; Credits: 60)
Archaeology 4H (Combined) (Level: 4H; Credits: 60)

ASTRONOMY

Astronomy 1X (Level: 1; Credits: 20)
Astronomy 1Y (Level: 1; Credits: 20)
Astronomy 2Z (Level: 2; Credits: 30)
Astronomy 3P (Level: 3; Credits: 60)
Astronomy 3H (Combined) (Level: 3H; Credits: 60)
Astronomy 4H (Combined) (Level: 4H; Credits: 60)
Astronomy 3M (Combined) (Level: 3M; Credits: 75)
Astronomy 4M (Combined) (Level: 4M; Credits: 75)
Astronomy 3M* (Combined) (Level: 3M; Credits: 80)
Exploring the Cosmos 1X (Level: 1; Credits: 20)
Exploring the Cosmos lY (Level: 1; Credits: 20)
Exploring the Cosmos 2X (Level: 2; Credits: 10)
Exploring the Cosmos 2Y (Level: 2; Credits: 10)

BIOCHEMISTRY

Biochemistry 3H (Level: 3H; Credits: 120)
Biochemistry 4H (Level: 4H; Credits: 120)
Biochemistry Work Placement Year (Credits: 120)
Biochemistry 4M (Level: 4M; Credits: 120)

BIOMEDICAL AND LIFE SCIENCES

Biology 1X (Level: 1; Credits: 20)
Biology 1Y (Level: 1; Credits: 20)
Level 2 Courses: First Semester

1a Basic Genetics (Level: 2; Credits: 10)
2a Cells: Structure & Function (Level: 2; Credits: 10)
3a Physiological Systems I (Level: 2; Credits: 10)
4a Animal Diversity (Level: 2; Credits: 10)
5a Proteins: Structure & Function (Level: 2; Credits: 10)
6a Nucleic Acids: Structure & Function (Level: 2; Credits: 10)
7a Human Form and Function (Level: 2; Credits: 10)
8a Ecology (Level: 2; Credits: 10)
9a Micro-organisms (Level: 2; Credits: 10)
10a Neuroscience and Behaviour (Level: 2; Credits: 10)
11a Biological Clocks (Level: 2; Credits: 10)
12a Plants, Pollution and Global Change (Level: 2; Credits: 10)
13a Immunology (Level: 2; Credits: 10)
Level 2 Courses: Second Semester
lb Molecular Genetics (Level: 2; Credits: 10)
2b Evolutionary Biology (Level: 2; Credits: 10)
3b Infection & Immunity (Level: 2; Credits: 10)
4b Physiological Systems II (Level: 2; Credits: 10)
5b Plant Science: Food and Famine (Level: 2; Credits: 10)
6b Energy Metabolism (Level: 2; Credits: 10)
7b Drugs & Disease (Level: 2; Credits: 10)
8b Human Tissues in Health & Disease (Level: 2; Credits: 10)
9b Reproduction and the Embryo (Level: 2; Credits: 10)
11b Practical Microbiology (Level: 2; Credits: 10)
12b Development: Cells, Molecules & Genes (Level: 2; Credits: 10)
13b Science Communication and Commerce (Level: 2; Credits: 10)
14b Biometrics (Level: 2; Credits: 10)
15b Extreme Biology (Level: 2; Credits: 10)
16b Physical Principles of Biological Processes (Level: 2; Credits: 10)
17b Conservation Biology (Level: 2; Credits: 10)
18b Exercise Science (Level: 2; Credits: 10)
Level 3
Essential Molecular Biology 3 [4] (Level: 3; Credits: 60)

BIOMEDICAL SCIENCE

Biomedical Science 3H (Level: 3H; Credits: 120)
Biomedical Science 4H (Level: 4H; Credits: 120)
Biomedical Science Work Placement Year (Credits: 120)
Biomedical Science 4M (Level: 4M; Credits: 120)

BIOMOLECULAR SCIENCES

Biomolecular Sciences 3D (Level: 3; Credits: 80)

BIOTECHNOLOGY

Biotechnology 3H (Level: 3H; Credits: 120)
Biotechnology 4H (Level: 4H; Credits: 120)
Biotechnology Work Placement Year (Credits: 120)
Biotechnology 4M (Level: 4M; Credits: 120)

[4] available only to students taking a combined designated degree in Biology and Chemistry

CHEMICAL PHYSICS

Chemical Physics 3H (Level: 3H; Credits: 120)
Chemical Physics 4H (Level: 4H; Credits: 120)
Chemical Physics 3M (Level: 3M; Credits: 120)
Chemical Physics 4M (Level: 4M; Credits: 150)
Chemical Physics 3M* (Level: 3M; Credits: 160)
Chemical Physics Work Placement Year (Credits: 120)

CHEMISTRY

Chemistry 1 (Level: 1; Credits: 40)
Chemistry 2X Molecules Matter - the Fundamentals (Level: 2; Credits: 30)
Chemistry 2Y Chemistry of the Natural World (Level: 2; Credits: 30)
Environmental Chemistry 2A Soil Water and Pollution (Level: 2; Credits: 30)
Environmental Chemistry 2B Food Production and Nutrition (Level: 2; Credits: 30)
Chemistry 3P Symmetry and Bonding (Level: 3; Credits: 20)
Chemistry 3Q Organic Reactivity (Level: 3; Credits: 20)
Chemistry 3R Metals to Semiconductors (Level: 3; Credits: 20)
Chemistry 3S Structure and Properties (Level: 3; Credits: 20)
Chemistry 3T Bioorganic Chemistry (Level: 3; Credits: 20)
Chemistry 3U Advanced Inorganic Chemistry (Level: 3; Credits: 20)
Chemistry 3V Biophysical Chemistry (Level: 3; Credits: 20)
Chemistry 3W Descriptive Inorganic / Medicinal Chemistry (Level: 3; Credits: 20)
Chemistry 3X Essential Inorganic Chemistry (Level: 3; Credits: 20)
Chemistry 3Y Essential Organic Chemistry (Level: 3; Credits: 20)
Chemistry 3Z Organic Chemistry for Biology (Level: 3; Credits: 20)
Environmental Chemistry 3U Essential Environmental Chemistry (Level: 3; Credits: 20)
Environmental Chemistry 3V Environmental Analysis 1 (Level: 3; Credits: 20)
Environmental Chemistry 3W Environmental Analysis 2 (Level: 3; Credits: 20)
Environmental Chemistry 3X Advanced Environmental Chemistry (Level: 3; Credits: 20)
Environmental Chemistry 3Y Practical (Level: 3; Credits: 20)
Environmental Chemistry 1 (Level: 1; Credits: 40)
Environmental Chemistry 3Z Practical (Level: 3; Credits: 20)
Environmental Chemistry 2A (Level: 2: Credits: 30)
Environmental Chemistry 2B (Level: 2; Credits: 30)
Chemistry 3H (Single) (Level: 3H; Credits: 120)
Chemistry 4H (Single) (Level: 4H; Credits: 120)
Chemistry 3H (Combined) (Level: 3H; Credits: 60)
Chemistry 4H (Combined) (Level: 4H; Credits: 60)
Chemistry 3M (Single) (Level: 3M; Credits: 140)
Chemistry Work Placement Year (Credits: 120)
Chemistry European Placement Year (Credits: 120)
Chemistry 4M (Single) (Level: 4M; Credits: 160)

Chemistry with Forensic Studies 3H (Level: 3H; Credits: 120)
Chemistry with Forensic Studies 3M (Level: 3M; Credits: 140)
Chemistry with Medicinal Chemistry 3H (Level: 3H; Credits: 120)
Chemistry with Medicinal Chemistry 4H (Level: 4H; Credits: 120)
Chemistry with Medicinal Chemistry 3M (Level: 3M; Credits: 140)
Chemistry with Medicinal Chemistry Work Placement Year (Credits: 120)
Chemistry with Medicinal Chemistry European Placement Year (Credits: 120)
Chemistry with Medicinal Chemistry 4M (Level: 4M; Credits: 160)
Environmental Chemistry 3H (Level: 3H; Credits: 120)
Environmental Chemistry 4H (Level: 4H; Credits: 120)
Environmental Chemistry 4M (Level: 4M; Credits: 120) Environmental Chemistry Work Placement Year (Credits: 120)

CHEMISTRY WITH MEDICINAL CHEMISTRY

See under *Chemistry*

COMPUTING SCIENCE

Computing Science 1P Programming (Level: 1; Credits: 20)
Computing Science 1Q Fundamentals (Level: 1; Credits: 20)
Computing Science 2R Algorithmic Foundation 2 (Level: 2; Credits: 10)
Computing Science 2S Functional Programming 2 (Level: 2; Credits: 10)
Computing Science 2T Computer Systems 2 (Level: 2; Credits: 10)
Computing Science 2U Information Management 2 (Level: 2; Credits: 10)
Computing Science 2X Data Structures and Algorithms 2 (Level: 2; Credits: 10)
Computing Science 2Y Software Design and Implementation 2 (Level: 2; Credits: 10)
Computing Science 3P Algorithmics (Level: 3; Credits: 10)
Computing Science 3Q Advanced Programming (Level: 3; Credits: 10)
Computing Science 3S Operating Systems (Level: 3; Credits: 10)
Computing Science 3T Networked Systems Architecture (Level: 3; Credits: 10)
Computing Science 3U Database Systems (Level: 3; Credits: 10)
Computing Science 3V Graphics and Multimedia (Level: 3; Credits: 10)
Computing Science 3W Interactive Systems (Level: 3; Credits: 10)
Computing Science 3X Professional Software Development (Level: 3; Credits: 20)
Computing Science 3Y Team Project (Level: 3; Credits: 20)
Computing Science 3Z Programming Languages (Level: 3; Credits: 10)
Computing Science Software Engineering Work Placement (Credits: 10)
Computing Science 3H (Single) (Level: 3H; Credits: 120)
Computing Science 4H (Single) (Level: 4H; Credits: 120)
Computing Science 3H (Combined) (Level: 3H; Credits: 60)
Computing Science 4H (Combined) (Level: 4H; Credits: 60)
Computing Science 4M (Single) (Level: 4M; Credits: 120)
Computing Science 5M (Single) (Level: 5M; Credits: 130)
Computing Science 4M (Combined) (Level: 4M; Credits: 60)
Computing Science 5M (Combined) (Level: 5M; Credits: 60)
See also *Mathematical Sciences*

EARTH SCIENCE

Earth Science 1X: Introduction to the Earth: Minerals, Rocks, Structures 1 (Level: 1; Credits: 20)
Earth Science 1Y: Evolution of the Earth: Life and Environments 1 (Level: 1; Credits: 20)
Earth Science 2P The Solid Earth (Level: 2; Credits: 20)
Earth Science 2Q Palaeobiology (Level: 2; Credits: 10)
Earth Science 2R Sediments and Stratigraphy (Level: 2; Credits: 10)
Earth Science 2U Structure Maps and Exploration (Level: 2; Credits: 20)
Earth Science 3E (Level: 3; Credits: 120)
Earth Science 3H (Single) (Level: 3H; Credits: 120)
Earth Science 4H (Single) (Level: 4H; Credits: 120)
Earth Science 3H (Combined) (Level: 3H; Credits: 60)
Earth Science 4H (Combined) (Level: 4H; Credits: 60)

ELECTRONIC ENGINEERING

Electronic Engineering 1X (Level: 1; Credits: 20)
Electronic Engineering lY (Level: 1; Credits: 10)
Electrical Circuits 2Y (Level: 2; Credits: 10)
Analogue Electronics 2 (Level: 2; Credits: 10)
Digital Electronics 2 (Level: 2; Credits: 10)
Electronic Design Project 2 (Level: 2; Credits: 10)
Engineering Electromagnetics 2 (Level: 2; Credits: 10)
Electronic Engineering 3M (combined) (Level: 3; Credits: 75)
Electronic Engineering 4M (combined) (Level: 4; Credits: 75)

ELECTRONIC AND SOFTWARE ENGINEERING

Electronic and Software Engineering 3H (Level: 3H; Credits: 120)
Electronic and Software Engineering 4H (Level: 4H; Credits: 120)

ENVIRONMENTAL BIOGEOCHEMISTRY

Environmental Biogeochemistry 3H (Level: 3H; Credits: 120)
Environmental Biogeochemistry 4H (Level: 4H; Credits: 120)

ENVIRONMENTAL CHEMISTRY

See under *Chemistry*

ENVIRONMENTAL SCIENCE

Environmental Science 1 (Level: 1; Credits: 40)

EXPLORING THE COSMOS

See under *Astronomy*

GENETICS

Genetics 3H (Level: 3H; Credits: 120)
Genetics 4H (Level: 4H; Credits: 120)
Genetics Work Placement Year (Credits: 120)
Genetics 4M (Level: 4M; Credits: 120)

GEOGRAPHIC INFORMATION AND MAPPING SCIENCES

Geographic Information and Mapping Sciences 2X (Level: 2; Credits: 30)
Geographic Information and Mapping Sciences 2Y (Level: 2; Credits: 30)
Geographic Information and Mapping Sciences 3B (Level: 3; Credits: 130)
Geographic Information and Mapping Sciences 3C (Level: 3; Credits: 100)
Geographic Information and Mapping Sciences 3D (Level: 3; Credits: 80)
Geographic Information and Mapping Sciences 3H (Level: 3; Credits: 130)

GEOGRAPHY

Geography 1 (Level: 1; Credits: 40)
Geography 2 (Level: 2; Credits: 60)
Geography 3B (Level: 3; Credits: 90)
Geography 3C (Level: 3; Credits: 120)
Geography 3H (Single) (Level: 3H; Credits: 120)
Geography 4H (Single) (Level: 4H; Credits: 120)
Geography 3H (Combined) (Level: 3H; Credits: 60)
Geography 4H (Combined) (Level: 4H; Credits: 60)

HUMAN BIOLOGY

Human Biology 3D (Level: 3; Credits: 80)

IMMUNOLOGY

Immunology 3H (Level: 3H; Credits: 120)
Immunology 4H (Level: 4H; Credits: 120)
Immunology Work Placement Year (Credits: 120)
Immunology 4M (Level: 4M; Credits: 120)

INFECTION BIOLOGY

Infection Biology 3D (Level: 3; Credits: 80)
Infection Biology 3E (Level: 3; Credits: 80)

MATHEMATICAL SCIENCES

Mathematical Sciences 3H (Level: 3H; Credits: 120)
Mathematical Sciences 4H (level: 4H; Credits: 120)

MATHEMATICS

Mathematics 1R (Level: 1; Credits: 20)
Mathematics 1S (Level: 1; Credits: 20)
Mathematics 1T (Level: 1; Credits: 20)
Mathematics 1X (Level: 1; Credits: 20)
Mathematics 1Y (Level: 1; Credits: 20)
Mathematics 2R Algebra I (Level: 2; Credits: 10)
Mathematics 2U Analysis I (Level: 2; Credits: 10)
Mathematics 2X Calculus I (Level: 2; Credits: 10)
Mathematics 2W Linear Algebra I (Level: 2; Credits: 10)
Mathematics 2P Graphs and Networks (Level: 2; Credits: 10)
Mathematics 2L Linear Modelling (Level: 2; Credits: 10)
Mathematics 2F Financial Modelling (Level: 2; Credits: 10)
Mathematics 2S Algebra II (Level: 2; Credits: 10)
Mathematics 2V Analysis II (Level: 2; Credits: 10)
Mathematics 2Y Calculus II (Level: 2; Credits: 10)
Mathematics 2Z Linear Algebra II (Level: 2; Credits: 10)
Mathematics 2Q Groups and Symmetry (Level: 2; Credits: 10)
Mathematics 2N Number Theory and Cryptography (Level: 2; Credits: 10)
Mathematics 2J Biological Modelling (Level: 2; Credits: 10)
Mathematics 2G Mechanical Modelling (Level: 2; Credits: 10)
Mathematics 3P Real and Complex Variables (Level: 3; Credits: 20)
Mathematics 3Q Algebra and Number Theory (Level: 3; Credits: 20)
Mathematics 3R Finite Mathematics (Level: 3; Credits: 20)
Mathematics 3S Differential Equations (Level: 3; Credits: 20)
Mathematics 3H (Single) (Level: 3H; Credits: 120)
Mathematics 4H (Single) (Level: 4H; Credits: 120)
Mathematics 3H (Combined) (Level: 3H; Credits: 60)
Mathematics 4H (Combined) (Level: 4H; Credits: 60)
Mathematics 3M (Single) (Level: 3M; Credits: 120)
Mathematics 4M (Single) (Level: 4M; Credits: 150)

Mathematics 3M (Combined) (Level: 3M; Credits: 60)
Mathematics 4M (Combined) (Level: 4M; Credits: 75)
Applied Mathematics 3H (Single) (Level: 3H; Credits: 120)
Applied Mathematics 4H (Single) (Level: 4H; Credits; 120)
Applied Mathematics 3H (Combined) (Level: 3H; Credits: 60)
Applied Mathematics 4H (Combined) (Level: 4H; Credits: 60)
Applied Mathematics 3M (Single) (Level: 3M; Credits: 120)
Applied Mathematics 4M (Single) (Level: 4M; Credits: 150)
Applied Mathematics 3M (Combined) (Level: 3M; Credits: 60)
Applied Mathematics 4M (Combined) (Level: 4M; Credits: 75)
See also *Mathematical Sciences*

MEDICAL BIOCHEMISTRY

Medical Biochemistry 3H (Level: 3H; Credits: 120)
Medical Biochemistry 4H (Level: 4H; Credits: 120)
Medical Biochemistry Work Placement Year (Credits: 120)
Medical Biochemistry 4M (Level: 4M; Credits: 120)

MICROBIOLOGY

Microbiology 3H (Level: 3H; Credits: 120)
Microbiology 4H (Level: 4H; Credits: 120)
Microbiology Work Placement Year (Credits: 120)
Microbiology 4M (Level: 4M; Credits: 120)

MOLECULAR AND CELLULAR BIOLOGY

Molecular and Cellular Biology 3H (Level: 3H; Credits: 120)
Molecular and Cellular Biology 4H (Level: 4H; Credits: 120)
Molecular and Cellular Biology Work Placement Year (Credits: 120)
Molecular and Cellular Biology 4M (Level: 4M; Credits: 120)

NEUROSCIENCE

Neuroscience 3H (Level: 3H; Credits: 120)
Neuroscience 4H (Level: 4H; Credits: 120)
Neuroscience Work Placement Year (Credits: 120)
Neuroscience 4M (Level: 4M: Credits: 120)

PARASITOLOGY

Parasitology 3H (Level: 3H: Credits: 120)
Parasitology 4H (Level: 4H; Credits: 120)
Parasitology Work Placement Year (Credits: 120)
Parasitology 4M (Level: 4M; Credits: 120)

PHARMACOLOGY

Pharmacology 3H (Level: 3H; Credits: 120)
Pharmacology 4H (Level: 4H; Credits: 120)
Pharmacology Work Placement Year (Credits: 120)
Pharmacology 4M (Level: 4M; Credits: 120)

PHYSICS

Physics 1X (Level: 1; Credits: 20)
Physics 1Y (Level: 1; Credits: 20)
Physics 1P (Level: 1; Credits: 20)
Physics 1Q (Level: 1; Credits: 20)
Physics 2X (Level: 2; Credits: 30)
Physics 2Y (Level: 2; Credits: 30)
Physics 2T C Programming under Linux (Level: 2; Credits: 10)
Physics 2U Laboratory Skills (Level: 2; Credits: 10)
Physics 3P (Level: 3; Credits: 60)
Physics 3Q (Level: 3; Credits: 80)
Physics 3R (Level: 3; Credits: 120)
Physics 3H (Single) (Level: 3H; Credits: 120)
Physics 4H (Single) (Level: 4H; Credits: 120)
Physics 3H (Combined) (Level: 3H; Credits: 60)
Physics 4H (Combined) (Level: 4H; Credits: 60)
Physics 3M (Single) (Level: 3M; Credits: 120)
Physics 4M (Single) (Level: 4M; Credits: 150)
Physics 3M (Combined) (Level: 3M; Credits: 60)
Physics 4M (Combined) (Level: 4M; Credits: 75)
Physics 3M* (Single) (Level: 3M; Credits: 160)
Physics 3M* (Combined) (Level: 3M; Credits: 80)

PHYSICS AND MUSIC*

Physics and Music 3M (Combined) (Level: 3M; Credits: 150)
Physics and Music 4M (Combined) (Level: 4M; Credits: 150)

PHYSICS WITH ASTROPHYSICS

Physics with Astrophysics 3H (Single) (Level: 3H; Credits: 120)
Physics with Astrophysics 3M (Single) (Level: 3M; Credits: 120)
Physics with Astrophysics 3M* (Single) (Level: 3M; Credits: 160)

PHYSIOLOGY

Physiology 3H (Single) (Level: 3H; Credits: 120)
Physiology 4H (Single) (Level: 4H; Credits: 120)
Physiology Work Placement Year (Credits: 120)
Physiology 4M (Level: 4M; Credits: 120)
Physiology 3H (Combined) (Level: 3H; Credits: 60)
Physiology 4H (Combined) (Level: 4H; Credits: 60)

PHYSIOLOGY AND SPORTS SCIENCE

Physiology and Sports Science 3H (Level: 3H; Credits: 120)
Physiology and Sports Science 4H (Level: 4H; Credits: 120)
Physiology and Sports Science Work Placement Year

(Credits: 120)
Physiology and Sports Science 4M (Level: 4M; Credits: 120)

PHYSIOLOGY, SPORTS SCIENCE AND NUTRITION

Physiology, Sports Science and Nutrition 4H (Level: 4H; Credits: 120)

PLANT SCIENCE

Plant Science 3H (Level: 3H; Credits: 120)
Plant Science 4H (Level: 4H; Credits: 120)
Plant Science Work Placement Year (Credits: 120)
Plant Science 4M (Level: 4M; Credits: 120)

PSYCHOLOGY

Psychology 1A (Level: 1; Credits: 20)
Psychology 1B (Level: 1; Credits: 20)
Psychology 2A (Level: 2; Credits: 20)
Psychology 2B (Level: 2; Credits: 20)
Psychological Studies 3 (Level: 3; Credits: 80)
Psychology 3H (Single) (Level: 3H; Credits: 120)
Psychology 4H (Single) (Level: 4H; Credits: 120)
Psychology 3H (Combined) (Level: 3H; Credits: 60)
Psychology 4H (Combined) (Level: 4H; Credits: 60)

SCIENCE FUNDAMENTALS

Science Fundamentals 1X (Level: 1; Credits: 20)
Science Fundamentals 1Y (Level: 1; Credits: 20)

SOFTWARE ENGINEERING

Software Engineering 3H (Level: 3H; Credits: 120)
Software Engineering 4H (Level: 4H; Credits: 120)

SPORTS MEDICINE

Sports Medicine 4H (Level: 4H; Credits: 120)

SPORTS SCIENCE

Sports Science 3D (Level: 3; Credits: 80)
Sports Science 3E (Level: 3; Credits: 120)

STATISTICS

Statistics 1B Practical Statistics (Level: 1; Credits: 40)
Statistics 1C Statistics for Psychologists (Level: 1; Credits: 40)
Statistics 1Y Probability and Statistical Methods (Level: 1; Credits: 20)
Statistics 1Z Design of Experiments, Analysis of Variance and Statistical Methods for Paired Data (Level: 1; Credits: 20)
Statistics 2R Probability (Level: 2; Credits: 10)
Statistics 2S Statistical Methods (Level: 2; Credits: 10)
Statistics 2X Probability and Likelihood (Level: 2; Credits: 10)
Statistics 2Y Regression Modelling (Level: 2; Credits: 10)
Statistics 2T Survey Methods and Data Analysis (Level: 2; Credits: 10)
Statistics 2Z Advanced Data Analysis (Level: 2; Credits: 10)
Statistical Studies 3 (Level: 3; Credits: 40)
Statistics 3H (Single) (Level: 3H; Credits: 120)
Statistics 4H (Single) (Level: 4H; Credits: 120)
Statistics 3H (Combined) (Level: 3H; Credits: 60)
Statistics 4H (Combined) (Level: 4H; Credits: 60)
Statistics 3M (Single) (Level: 3M; Credits: 120)
Statistics 4M (Single) (Level: 4M; Credits: 120)
Statistics 5M (Single) (Level: 5M; Credits: 120)
Statistics 3M (Combined)* (Level: 3M; Credits: 60)
Statistics 4M (Combined)* (Level: 4M; Credits: 60)
Statistics 5M (Combined) (Level: 5M; Credits: 60)
See also *Mathematical Sciences*

VIROLOGY

Virology 3H (Level: 3H; Credits: 120)
Virology 4H (Level: 4H; Credits: 120)
Virology Work Placement Year (Credits: 120)
Virology 4M (Level: 4M; Credits: 120)

ZOOLOGY

Zoology 3H (Single) (Level: 3H; Credits: 120)
Zoology 4H (Single) (Level: 4H; Credits: 120)
Zoology 3H (Combined) (Level: 3H; Credits: 60)
Zoology Work Placement Year (Credits: 120)
Zoology 4M (Level: 4M; Credits: 120)

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