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|  | General and Course Regulations for Degrees of Bachelor and Integrated Master 2016-17 |
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|  | General and Course Regulations for Degrees of Bachelor and Integrated Master 2016-17.  (Covering the course regulations for undergraduate and integrated master’s degrees of the four Faculties and elective classes for students admitted to first year with effect from session 2009/10)  **the place of useful learning**  The University of Strathclyde is a charitable body, registered in Scotland, number SC015263 |

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Undergraduate Study

General Regulations for degrees of Bachelor with Honours and Bachelor and Diplomas and Certificates of Higher Education

The following awards are conferred by the University by the authority of the Senate under Ordinances 3 and 5 in accordance with the General Regulations:

Bachelor of Arts (BA)

Bachelor of Education (BEd)

Bachelor of Engineering (BEng)

Bachelor of Laws (LLB)

Bachelor of Science (BSc)

Diploma of Higher Education

Certificate of Higher Education

*Notes:*

*1 Decisions on admission are taken by Course Directors, Vice-Deans or Heads of Department (or their nominee(s)).*

*2 All decisions taken by Boards of Study, acting on behalf of the Senate, shall subsequently be reported to the Senate.*

*3 All decisions taken by Boards of Examiners shall subsequently be reported to the relevant Board of Study which shall receive them on behalf of the Senate.*

*4 Decisions on awards are taken by Boards of Study on behalf of the Senate. The Board of Study may delegate this power by formal resolution following specific recommendation to the Senate.*

*5 Where reference is made in Regulations to information in Course Handbooks, that information shall have been approved by the relevant Board of Study.*

*6 The curriculum of every course shall compromise compulsory, optional and elective classes. These are defined as follows:*

*‘Compulsory’ refers to classes which must be taken as part of the course curriculum.*

*‘Optional’ refers to classes chosen by a student from a list defined in a course curriculum.*

*‘Elective’ refers to classes freely chosen by a student from classes offered by the University.*

*Optional and Elective classes may be restricted by requirements for defined prerequisites, availability and timetabling constraints (see the Class Catalogue for the detailed list of classes).*

*Where a class has a pre-requisite, this should be clearly stated in the Class Catalogue and in the Course Handbook.*

*7 The course regulations that follow quote SHE Levels. The equivalence of SHE and SCQF Levels is as follows:*

*SHE Level 1: SCQF Level 7 SHE Level 2: SCQF Level 8 SHE Level 3: SCQF Level 9 SHE Level 4: SCQF Level 10*

*SHE Level 5: SCQF Level 11*

*In interpreting these regulations, reference should be made, where appropriate, to Course Handbooks. Regard should also be taken of the University’s Constitutional Regulations.*

*8 In the unlikely event of any conflict between the Regulations and other University publications including Course Handbooks, Regulations take precedence.*

11.1 General Regulations for the Degree of Bachelor with Honours, Degree of Bachelor, Diploma of Higher Education and Certificate of Higher Education

Admission

11.1.1 Every applicant for admission to a course of study must satisfy the General Entrance Requirements as specified in Regulation 2 and any additional Course Entrance Requirements specified by the Department(s) and approved by the relevant Board of Study.

Credit Transfer and Recognition of Prior Learning (RPL)

11.1.2 The relevant Board of Study (or nominee(s)) may admit an applicant and/or approve exemption from part of a course by credit transfer and/or RPL provided this is done in accordance with University procedures and against criteria defined on a course by course basis.

Credit granted for credit transfer and/or RPL may only be used once and, when used to gain exemption, will normally relate to achievements within 5 years of registration on a University of Strathclyde course.

Exemption granted on the basis of credit transfer and/or RPL will be allowed primarily where an applicant can demonstrate that the relevant specific learning outcomes have been achieved (i.e. primarily for specific rather than general credit). The extent of any allowed exemption shall preferably not exceed 25% and shall normally not exceed 50% of the credits appropriate to the course. Exceptionally, by formal resolution, the Senate may approve up to 75% exemption in special circumstances.

Where any such exemption is granted, the Board of Study will award the appropriate number of credits and may reduce the minimum and maximum periods of study appropriately.

Modes of Study

11.1.3 Courses are offered on a full-time and/or part-time basis except where indicated to the contrary in the course regulations.

At the discretion of the relevant Board of Study on the recommendation of the relevant Course Director (or nominee), a student may transfer from full-time to part-time study and vice-versa where an appropriate course is available, at which time the relevant minimum and maximum periods of study will be reviewed.

Levels of Study

11.1.4 Unless otherwise specified in course regulations, each undergraduate course offers the following qualifications:

Honours degree

Ordinary degree

Diploma of Higher Education

Certificate of Higher Education

Minimum Periods of Study

11.1.5 The minimum period of study shall normally be as follows:

*For full-time study (assuming entry at Level 1)*

|  |  |
| --- | --- |
| **Award** | **Minimum Period of Study** |
| Bachelor of Arts | 3 years |
| Bachelor of Arts with Honours | 4 years |
| Bachelor of Arts with Honours in a Modern Language | 5 years |
| Bachelor of Arts with Honours in International Business and Modern Languages | 5 years |
| Bachelor of Education with Honours | 4 years |
| Bachelor of Engineering | 3 years |
| Bachelor of Engineering with Honours | 4 years |
| Bachelor of Laws | 3 years |
| Bachelor of Laws in Law and a Modern Language | 5 years |
| Bachelor of Laws with Honours | 4 years |
| Bachelor of Science | 3 years |
| Bachelor of Science with Honours | 4 years |
| Diploma of Higher Education | 2 years |
| Certificate of Higher Education | 1 year |

For part-time study, the minimum period of study shall be the learning equivalent of the full-time study period required, taking account of the conditions under which the student will work. The overall duration of study will normally be greater than for full-time study.

Maximum Periods of Study

11.1.6 Unless otherwise specified, the maximum periods of study shall be as follows:

*For full-time study (assuming entry at Level 1)*

|  |  |
| --- | --- |
| **Award** | **Maximum Period of Study** |
| Extended Honours degrees | 7 years |
| Honours degrees | 6 years |
| Ordinary degrees | 5 years |
| Diplomas of Higher Education | 3 years |
| Certificates of Higher Education | 2 years |

*For part-time study (assuming entry at Level 1)*

|  |  |
| --- | --- |
| **Award** | **Maximum Period of Study** |
| Extended Honours degrees | 12 years |
| Honours degrees | 10 years |
| Ordinary degrees | 8 years |
| Diplomas of Higher Education | 5 years |
| Certificates of Higher Education | 3 years |

Exceptionally, the maximum period of study may be extended by the Senate on the recommendation of the relevant Board of Study.

Place of Study

11.1.7 Except where the Senate has approved distance learning arrangements for off-campus delivery, instructional classes shall normally be undertaken within the University.

A student may undertake part of their study in an approved institution abroad, according to an approved curriculum. Normally only one such study period, to be taken prior to the final year of their course, is permitted.

Course Structure and Curriculum

11.1.8 Each candidate for an award must follow the curriculum as prescribed in the relevant course regulations. These may be amended from time to time by the Senate on the recommendation of the relevant Board of Study.

11.1.9 In accordance with the University Awards Framework, individual classes shall be assigned a level based on expected learning outcomes and a credit rating based on the volume of learning required.

11.1.10 The award structure of undergraduate courses shall normally accord with the following:

|  |  |  |
| --- | --- | --- |
| Award | Credit Requirement | Minimum Level Requirement |
| Certificate of Higher Education | 120 credits | 100 credits at Level 1 |
| Diploma of Higher Education | 240 credits | 100 credits at Level 2 |
| Ordinary Degrees | 360 credits | 60 credits at Level 3 |
| Honours Degrees | 480 credits | 90 credits at Level 4  180 credits at Levels 3 + 4 |

For the avoidance of doubt, credits at a higher level shall, where necessary, be deemed to satisfy the requirements at a lower level.

*(Notes:*

*1 For a typical student, 1 credit equates to approximately 10 hours of total student effort.*

*2 In certain circumstances, for example to meet professional accreditation requirements, the credit requirement may exceed the above framework)*

11.1.11 The curriculum of every student must be approved at the start of each academic year or level of study (as appropriate) by the relevant Course Director, or equivalent, acting on behalf of the Board of Study.

11.1.12 Each degree course curriculum shall include elective classes amounting to no fewer than 20 credits normally taken prior to the fourth year of full-time study.

11.1.13 A full-time student shall in each year of study follow a curriculum containing 120 credits including any elective credits.

11.1.14 Notwithstanding the provisions of Regulation 11.1.13, exceptionally, additional optional classes at an appropriate level may be chosen as part of the curriculum subject to the approval of the Head of Department (or nominee) responsible for offering each class. The curriculum (of the student) shall be reported to the Board of Study.

11.1.15 Notwithstanding the provisions of Regulation 11.1.13, by formal resolution of the Senate, a course curriculum may exceed 120 credits in any one year.

11.1.16 Where a full-time student is admitted with advanced standing and is exempted from part of an academic year’s curriculum, additional classes may require to be taken to bring the total credits studied to at least 120 credits.

11.1.17 In the first and second years of full-time study, the curriculum will normally comprise six 20 credit classes. By formal resolution of the Senate, a 20 credit class may be replaced by two 10 credit classes in the first and/or second years of any course.

In the third and fourth years of full-time study, classes in integer multiples of 20 credits may be permitted, subject to approval by the Senate.

11.1.18 A student studying on a part-time or distance learning basis shall undertake a curriculum typically of 40 – 80 credits in any year of study.

11.1.19 The curriculum for a course shall be set out in the course regulations and shall indicate which classes are compulsory or optional. Where a pass in a particular class is a necessary condition for progress or for an award, this shall be clearly stated in the relevant course regulations.

11.1.20 Notwithstanding the provisions of Regulation 11.1.11, where unlisted optional classes may be chosen as part of the curriculum, the approval of the Head of Department (or nominee) responsible for offering each class is also required.

11.1.21 The University cannot guarantee that all optional and/or elective classes will be available in any given academic year. The choice of classes may be subject to constraints of timetabling and may also be influenced by professional requirements as well as by a student’s entrance qualifications or pre-requisite classes passed.

Attendance and Performance

11.1.22 Every applicant admitted to a course of study shall be required to attend regularly and to perform satisfactorily the work of each class in their curriculum.

11.1.23 A student has an obligation to inform the University Student Experience – Student Business at the first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.

11.1.24 A student who, in the opinion of the Head(s) of the Department(s) offering a class and the relevant Vice Dean Academic, does not satisfy the requirements as to attendance and to performance and having been informed in writing, shall not be entitled to take the examination or outstanding assessments in the subject of that class.

11.1.25 Notwithstanding Regulation 11.1.24, a registered student may subsequently be permitted by the Head of Department to take the examination or outstanding assessments in the subject of the class at the next available opportunity subject to satisfactory completion of appropriate course work.

Examinations and Assessment

*All Awards*

11.1.26 A student shall complete the assessments during the academic year in which the classes were undertaken unless permitted by the relevant Board of Study to postpone the assessment.

11.1.27 Taught classes shall be assessed by

(i) coursework assignments; or

(ii) written examinations; or

(iii) oral examinations (if appropriate); or

(iv) any combination of the above

unless specified otherwise in the relevant Course Handbook.

Except where a course includes an integrative/reflective class that will draw on work in other classes, each item of work may only be assessed in one class.

11.1.28 There shall normally be two diets of formal assessment (in January or in May and in August approximately) for each class at Levels 1, 2 and 3 in each academic year. However, the assessment for a class at Level 4 and above will normally be held only once in each academic year unless the relevant Board of Study decides otherwise.

11.1.29 Where a pass in the project or dissertation taken in the final year is required for the award of the degree, a candidate who fails to submit the project or dissertation by the due date may not be eligible to complete the remainder of the Final Year assessment.

11.1.30 The progress of every student shall be determined by the relevant Board of Examiners although the Board shall defer consideration of progress or award for any student currently involved in disciplinary proceedings.

11.1.31 A student who is deemed to have failed in a taught class at Level 1, 2 or 3 or who has been debarred in terms of Regulation 11.1.24 shall normally have one further opportunity to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide. The nature of re-assessment to be applied to all students shall be identified in Course Handbooks.

Unless prior authority of the relevant Board of Study has been given, a student who fails to satisfy the Board of Examiners at the first assessment for a class shall undertake re-assessment at the first available opportunity.

11.1.32 At the discretion of the relevant Board of Examiners or appropriate Course Director, students may be required to participate in an oral examination. Exceptionally, this may be in place of the normal assessment for the relevant class(es). Note that regulations 11.1.31 and 11.1.32 do not permit a borderline candidate to be given an oral examination by an External Examiner.

11.1.33 Notwithstanding the provisions of Regulation 11.1.31, the Board of Examiners may exceptionally permit alternative forms of re-assessment for a class where they consider it to be in a student’s interest.

11.1.34 Notwithstanding the provisions of Regulation 11.1.31, the Board of Examiners may permit a student who satisfies the attendance and performance requirements of a class a maximum of two further attempts at passing the class. The Board of Examiners may additionally require a student to re-attend a class.

11.1.35 Notwithstanding the provisions of Regulation 11.1.31, the relevant Board of Study acting on the recommendation of the Board of Examiners may discount an attempt for a class where appropriate medical or other evidence has been provided.

*Bachelor with Honours*

11.1.36 Notwithstanding the provisions of Regulations 11.1.28 and 11.1.31, a candidate for the degree of Bachelor with Honours who has taken the Final Year assessment will be permitted to re-take specific classes of the Final Year assessment to satisfy professional accreditation requirements. In these circumstances the Honours classification will be based solely on the student’s first attempt at the assessment.

11.1.37 Notwithstanding the provisions of Regulations 11.1.28 and 11.1.31, a candidate for the degree of Bachelor with Honours who has taken either the whole or part of the Final Year assessment will be permitted to be re-assessed, in whole or in part, where there are medical, personal or other circumstances which have adversely affected the student’s performance. In these circumstances, permission may be granted by the Honours Board of Examiners concerned, subject to a report of any such cases to the relevant Board of Study.

Award of Credits

11.1.38 When considering the awarding of credits, the relevant Board of Examiners will have regard to the requirements of Regulation 1.10.35 concerning examination marks and compensation.

11.1.39 The relevant Board of Examiners shall award credits as follows:

(i) in years 1 – 3, the number of credits for classes passed at Levels 1, 2 and 3;

(ii) in subsequent years, credits corresponding to the classes completed.

The relevant Board of Examiners shall award Merit or Distinction to a full-time student as follows:

1. Merit will be applied where a student has achieved a credit-weighted average of 60-69% in their first attempt having passed all examinations.
2. Distinction will be applied in Years 1-3 where a student has achieved a credit weighted average of 70% or more at the first attempt having passed all exams.

For the avoidance of doubt a pass by compensation shall be regarded as a pass but with no to the credit weighted average.

Progress of Students

11.1.40 To proceed to the next year of a course, a full-time student must normally accumulate the minimum number of credits in accordance with the following general framework:

|  |  |
| --- | --- |
| Progression | Minimum Number of Credits Required |
| First – Second Year | 100\* |
| Second – Third Year | 220\* |
| Third – Fourth Year | 360 |
| Fourth- Fifth year | 480 |
|  | \*or 20 credits less than the full curriculum for the corresponding year of the course |

In order to progress to the fourth year of a course, a student, in addition, must achieve an approved standard of performance with regard to level of study and academic attainment as specified in the Course Handbook.

Individual courses may specify minimum credit numbers greater than those given above in which case these shall be given in the relevant course regulations.

11.1.41 Exceptionally, the relevant Board of Study acting on the recommendation of the Board of Examiners may allow a student to proceed to the next year of their course with fewer credits than specified in Regulation 11.1.40 or in the higher progress requirements stated in that student's course regulations, although only for good cause shown.

11.1.42 A student studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits. More detailed progress regulations may be specified in individual course regulations.

A student studying on a part-time basis shall not normally proceed to the next year of study with more than 20 credits outstanding.

11.1.43 A student who meets the criteria for progress from one academic year to another may not necessarily be eligible for an award.

Transfer of Registration, Suspension and Withdrawal

11.1.44 Where a candidate registered for the degree of Bachelor with Honours or degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education has failed to satisfy the relevant Board of Examiners, the Board of Study, in accordance with the recommendation of the Board of Examiners, may

(i) require that registration be transferred to a degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education (as appropriate) subject to a related course being available; or

(ii) recommend the award of a degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education (as appropriate); or

(iii) suspend a student from attendance at classes but require them to undertake assessments until the required number of credits and necessary passes have been obtained to allow the student to proceed to the next year of the course; or

(iv) terminate the student’s registration and require the student to withdraw.

11.1.45 Where a candidate registered for the degree of Bachelor with Honours, degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education has satisfied the relevant Board of Examiners but requests transfer to a degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education, the Board of Study, in accordance with the recommendation of the relevant Head of Department or Course Director or Board of Examiners, may

(i) permit registration to be transferred to a degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education (as appropriate) subject to a related course being available; or

(ii) recommend the award of a degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education (as appropriate).

11.1.46 On the recommendation of the relevant Course Director (or nominee), the Board of Study may approve transfer of a student’s registration between

(i) Certificate of Higher Education;

(ii) Diploma of Higher Education;

(iii) the degree of Bachelor;

(iv) the degree of Bachelor with Honours

as appropriate, subject to a related course being available.

The Board of Study may also approve transfer of a student’s registration to an Integrated Masters degree, subject to a related course being available.

11.1.47 On the recommendation of the relevant Course Director (or nominee), the relevant Vice Dean Academic may permit a student to either undertake voluntary suspension for the whole or part of an academic year or transfer between full-time and part-time study where available.

11.1.48 Notwithstanding the provisions of Regulation 11.1.31, a student who is reported to the relevant Board of Study under Regulation 11.1.24 or Regulation 5.4.2(iv) for persistent non-attendance at classes, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw from the course.

11.1.49 A student may also be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulation 5.

Classification of Honours Degree

11.1.50 A student entitled to the degree of Bachelor with Honours will be placed in one of the following classes:

First Class

Second Class (Upper Division)

Second Class (Lower Division)

Third Class

In reaching their decision, the relevant Board of Examiners shall have regard to a student’s performance against approved criteria and consider the composite mark against the following general framework:

|  |  |
| --- | --- |
| Classification | Composite Mark |
| First Class | 70 -100 |
| Second Class (Upper Division) | 60 - 69 |
| Second Class (Lower Division) | 50 - 59 |
| Third Class | 40 - 49 |

11.1.51 A candidate for the degree of Bachelor with Honours who has failed to be placed in one of the classes specified in Regulation 11.1.50 may be transferred to the degree of Bachelor in accordance with Regulation 11.1.44 and may be granted exemption either in whole or in part from the assessments required for that degree. The exemption will only be granted when, in the opinion of the Board of Examiners, evidence of sufficient attainment has been provided.

Appeals Against Transfer of Registration, Suspension, Withdrawal and Degree Classification

11.1.52 A student who has been

(i) required to transfer registration; or

(ii) suspended from attendance at classes; or

(iii) required to withdraw

under the provisions of Regulations 11.1.24, 11.1.44 and 11.1.48 may appeal to the relevant Board of Study for reconsideration of the case.

11.1.53 A student may appeal to the relevant Board of Study for reconsideration of the class of Honours awarded. Such an appeal must be submitted and the outcome of any such appeal must be decided upon before the student graduates.

11.1.54 The grounds for appeals under Regulations 11.1.52 and 11.1.53 may be any of the following:

(i) that there were procedural irregularities in the conduct of the examination or of the assessment (including alleged administrative error of such a nature as to cause reasonable doubt as to whether the Board of Examiners would have reached the same conclusion if the alleged error had not been made); or

(ii) that there were medical, personal or other circumstances affecting the student's performance of which the Board of Examiners were not aware when their decision was taken (an Appeals Board will take into account whether a student has met the obligations of Regulation 11.1.23); or

(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners.

Such an appeal shall be lodged in writing with the relevant Faculty Officer no later than a date specified by the Board of Study and notified in the letter informing the student of the transfer of registration or suspension or the requirement to withdraw or the degree classification. The appeal shall be supported by appropriate documentary evidence not previously available.

11.1.55 A student has an ultimate right of appeal to the Senate normally following an unsuccessful appeal to the relevant Board of Study. Such an appeal shall be lodged in writing with the Head of Governance, Management and Policy Team within three weeks of the date on the Faculty Appeal outcome letter and shall be supported by all the appropriate documentary evidence. The student will have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

Award

11.1.56 In order to qualify for a University of Strathclyde award, a candidate who has been granted exemption from earlier years of a University of Strathclyde course through credit transfer or RPL (in accord with Regulation 11.1.2) must gain from the University of Strathclyde course curriculum a minimum of 120 credits or, where less, a minimum of one-third of the overall credit requirement for that award. In addition, a candidate must comply with the requirements of Ordinance 3.4.3.

11.1.57 A candidate who satisfies the conditions of the Ordinances governing the award of degrees and of the general and course regulations shall, on payment of the required fees, be entitled to receive the degree of Bachelor with Honours or degree of Bachelor. To qualify for the award of the degree a candidate must have obtained passes in classes at all levels of the curriculum as specified in the course regulations. The graduate shall receive a degree parchment setting forth the course of study in which the degree has been granted and, if appropriate, the class and division of Honours in which the graduate has been placed. A Diploma Supplement will also be provided.

11.1.58 A candidate who satisfies the conditions of the general and course regulations shall be entitled to receive a Diploma of Higher Education or the Certificate of Higher Education.

11.1.59 A candidate who satisfies the requirements of the general and course regulations governing the award of the degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education and who has, in the opinion of the relevant Board of Examiners and according to prescribed criteria, attained a high level of overall performance may be granted the appropriate award ‘with Merit’ or ‘with Distinction’. In reaching their decision, Boards of Examiners shall have regard to a student’s performance based on the credit-weighted average over the full course. For students registered from session 2010/11 the credit-weighted average for Merit is 60-69% and for ‘with Distinction’ is 70 – 100%.

11.1.60 A student on a course that has multiple exit points (e.g. Certificate of Higher Education, Diploma of Higher Education, degree of Bachelor, degree of Bachelor with Honours) may only retain one of the possible awards.

11.2

to 11.9 (Numbers not used)

*For Information:*

*The following Course Regulations should be read in conjunction with the above General Regulations, and other University publications.*

Faculty of Science

11.10 Faculty Courses

Natural Sciences

BSc with Honours in Natural Sciences

BSc with Honours in Natural Sciences (named subjects)

BSc in Natural Sciences

BSc in Natural Sciences (named subjects)

Diploma of Higher Education in Natural Sciences

Certificate of Higher Education in Natural Sciences

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.10.1 All students are normally admitted as potential Honours students. Transfer to another degree course in the Faculty of Science may be possible subject to satisfying the appropriate course requirements.

Mode of Study

11.10.2 The courses are available by full-time or part-time study.

Transfer

11.10.3 Students registered on a course administered by a department in the Faculty of Science may be considered at any stage for transfer to the Natural Sciences courses subject to satisfying the appropriate course regulations.

Curriculum

11.10.4 The curriculum comprises classes selected from the following categories:

Science classes:

(i) those classes taught by a department in the Faculty of Science;

and

1. other classes taken as compulsory or optional classes by students registered for a degree administered by a department in the Faculty of Science.

Non-Science classes

All other classes in the University.

Elective classes

Curriculum (Full-time study)

First Year

11.10.5 All full-time students shall undertake classes amounting to at least 120 credits at Level 1 including no fewer than 80 credits of Science classes and no fewer than 20 credits of elective classes.

Second Year

11.10.6 All full-time students shall normally undertake classes amounting to at least 120 credits, of which at least 100 are Science classes at Level 2 or above.

Third Year

11.10.7 *For students intending to obtain an Ordinary Degree*: All full-time students will normally take classes amounting to at least 120 credits, of which at least 60 are Science classes at Level 3 or above.

*For students intending to obtain an honours degree*: All full-time students will normally take classes amounting to at least 120 credits, of which at least 80 are Science classes at Level 3 or above.

Fourth Year

11.10.8 All full-time students will normally take classes amounting to at least 120 credits, of which at least 100 are Science classes at Level 4.

Curriculum (Part-time study)

11.10.9 Students studying on a part-time basis will normally take classes amounting to at least 60creditsin each year, subject to the approval of the Course Director.

Progress (Full-time study)

11.10.10 In order to progress to the second year, a student must have accumulated 100 credits from the course curriculum.

11.10.11 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum, of which at least 80 credits must be at Level 2 or above.

11.10.12 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum, of which at least 80 credits must be at Level 3 or above.

11.10.13 A student who has not obtained the credits in a class shall not normally be permitted to attend a sequential class in the same subject.

Progress (Part-time study)

11.10.14 Students studying on a part-time basis must normally satisfy the appropriate progress requirements for full-time study on completion of each equivalent year of full-time study.

11.10.15 Within each year of study, a student must normally have gained all but a maximum of 20 credits from the curriculum for which they were registered.

Final Honours Classification

11.10.16 The final Honours classification for the degree of BSc in the chosen course will normally be based on the first assessed attempt at the approved classes that are taken in the third and fourth years.

Award

11.10.17 The degree may be awarded either as the BSc in Natural Sciences or as the BSc in Natural Sciences (named subjects).

11.10.18 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Natural Sciences, a candidate must have accumulated no fewer than 480 credits from the course curriculum of which at least 270 credits shall come from Science classes. The Science classes must include a minimum of 80 credits at Level 3 and a minimum of 100 credits at Level 4.

11.10.19 In order to qualify for the award of the degree of BSc with Honours in Natural Sciences (named subjects), a candidate must have accumulated no fewer than 480 credits from the course curriculum of which at least 340 credits shall come from Science classes. The Science classes must include a minimum of 80 credits at Level 3 and a minimum of 100 credits at Level 4 in the subjects of the named degree.

11.10.20 **BSc:** In order to qualify for the award of the degree of BSc in Natural Sciences, a candidate must have accumulated no fewer than 360 credits from the course curriculum of which at least 180 credits shall come from Science classes. The Science classes must include a minimum of 100 credits at Level 2 and a minimum of 60 credits at Level 3.

11.10.21 In order to qualify for the award of the degree of BSc in Natural Sciences (named subjects), a candidate must have accumulated no fewer than 360 credits from the course curriculum of which at least 250 credits shall come from Science classes. The Science classes must include a minimum of 100 credits at Level 2 and a minimum of 60 credits at Level 3 in the subjects of the named degree.

11.10.22 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Natural Sciences, a candidate must have accumulated no fewer than 240 credits from the course curriculum. These must include 160 credits from Science classes of which a minimum of 100 must be at Level 2 or above.

11.10.23 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Natural Sciences, a candidate must have accumulated no fewer than 120 credits.

11.11 (Numbers not used)

11.12 Department of Pure and Applied Chemistry

Chemistry

BSc with Honours in Chemistry

BSc with Honours in Chemistry with Analytical Chemistry

BSc with Honours in Chemistry with Forensic Chemistry

BSc in Chemistry

Diploma of Higher Education in Chemical Sciences

Certificate of Higher Education in Chemical Sciences

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.12.1 All students are normally admitted in the first instance to the MChem degrees (See Regulation 12.12). Transfer between the degrees is possible prior to the third year of study, subject to satisfying the appropriate progress requirements.

Mode of Study

11.12.2 The courses are available by both full-time and part-time study.

Place of Study

11.12.3 The courses may include placement normally outwith the campus.

Curriculum

First Year

11.12.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry: Principles and Practice 2 1 20

CH 108 Practical and Transferable Skills 1 20

MM 116 Mathematics 1C 1 20

and either

PH 151 Mechanics, Optics and Waves 1 20

or

BM 102 Molecular Bioscience 1 20

or for students lacking a pass in SQA Higher Physics (or

an equivalent qualification)

PH 166 Foundation Physics 1 20

Elective Class(es) 20

Second Year

11.12.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 202 Inorganic Chemistry 2 20

CH 205 Practical Physical and Applied Chemistry 2 20

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physical Chemistry 1 2 20

CH 213 Forensic Trace Analysis and Analytical Chemistry 2 20

CH 214 Practical Organic and Inorganic Chemistry 2 20

Third Year

11.12.6 All students shall undertake classes amounting to 120 credits as follows:

*BSc with Honours Degree Courses*

Compulsory Classes Level Credits

CH 309 Physical Chemistry 2 3 20

CH 315 Practical Organic and Inorganic Chemistry 3 20

CH 325 Intermediate Organic Chemistry and

Spectroscopy 3 20

CH 326 Inorganic Chemistry, Structures and

Spectroscopy 3 20

together with classes appropriate to the chosen course:

*Chemistry*

40 credits including one theory class and one associated practical class chosen from:

CH 314 Practical Physical, Applied and Drug Discovery

Chemistry 3 20

CH 323 Chemical Biology 3 20

OR

CH 313 Practical Physical, Applied, Forensic and

Analytical Chemistry 3 20

CH 316 Analytical Chemistry and Drugs of Abuse 3 20

Students can only choose CH 323 if they already have BM 109 Cells and their Molecules.

*Chemistry with Analytical Chemistry/Forensic Chemistry*

CH 313 Practical Physical, Applied, Forensic and

Analytical Chemistry 3 20

CH 316 Analytical Chemistry and Drugs of Abuse 3 20

*BSc Degree Course*

Chemistry

120 credits chosen from:

CH 322 Techniques in Practical Chemistry 3 20

Other Level 3 classes listed above or such other classes approved by the Course Director to bring the amount studied at Level 3 to at least 60 credits.

Fourth Year

* + 1. All students shall undertake classes amounting to 120 credits as follows:

Level Credits

*Chemistry*

CH 438 BSc with Honours in Chemistry 4 120

*Forensic Chemistry*

CH 439 BSc with Honours in Chemistry with

Forensic Chemistry 4 120

*Chemistry with Analytical Chemistry*

CH 448 BSc with Honours in Chemistry with Analytical

Chemistry 4 120

Each of the above classes comprises:

CH 412 Core Chemistry 4 40

CH 436 Honours Project and Dissertation 4 40

CH 437 Career Skills 4 20

together with a class in the relevant subject area:

*either*

CH 413 Chemistry Specialisation 4 20

*or*

CH 414 Forensic Chemistry Specialisation 4 20

*or*

CH 417 Analytical Chemistry Specialisation 4 20

or other classes as approved by the Course Director

Curriculum (Part-time study)

11.12.8 Part-time students will normally take classes amounting to 60 credits in each year of study.

Progress

11.12.9 In order to progress to the second year of the chosen course, a student must have accumulated at least 100 credits from the course curriculum including normally those for the classes *CH 106 Chemistry: Principles and Practice 1*, *CH 107 Chemistry: Principles and Practice 2* and *CH 108 Practical and Transferable Skills*.

11.12.10 In order to progress to the third year of the chosen course, a student must have accumulated at least 220 credits from the course curriculum including normally 100 at Level 2 from Chemistry classes in the second year curriculum.

11.12.11 In order to progress to the fourth year of the chosen course, a student must have accumulated at least 360 credits from the course curriculum including at least 60 at Level 3 from the compulsory Chemistry classes in the third year curriculum.

Final Honours Classification

11.12.12 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *CH 438* or *CH 439* or *CH 448* as appropriate.

11.12.13 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes which are taken in the third and fourth year of the course.

Award

11.12.14 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in the chosen course, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.12.15 **BSc**: In order to qualify for the award of the degree of BSc in Chemistry, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.12.16 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Chemical Sciences, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.12.17 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Chemical Sciences, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.12.18

to 11.12.20 (Numbers not used)

Chemistry with Drug Discovery

BSc with Honours in Chemistry with Drug Discovery

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Course

11.12.21 All students are admitted in the first instance to the MChem in Chemistry with Drug Discovery. Transfer between the degrees offered by the Department of Pure and Applied Chemistry may be possible prior to the third year of study subject to satisfying the appropriate progress requirements.

Mode of Study

11.12.22 The course is available by both full-time and part-time study.

Place of Study

11.12.23 The course may include placement normally outwith the campus.

Curriculum

First Year

11.12.24 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 109 Cells and Their Molecules 1 20

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry: Principles and Practice 2 1 20

CH 108 Practical and Transferable Skills 1 20

MM 116 Mathematics 1C 1 20

Elective Class(es) 20

Second Year

11.12.25 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 202 Inorganic Chemistry 2 20

CH 205 Practical Physical and Applied Chemistry 2 20

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physical Chemistry 1 2 20

CH 214 Practical Organic and Inorganic Chemistry 2 20

MP 217 Pharmaceutics 2 20

Third Year

11.12.26 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Compulsory Classes Level Credits

CH 309 Physical Chemistry 2 3 20

CH 314 Practical Physical, Applied and Drug Discovery

Chemistry 3 20

CH 315 Practical Organic and Inorganic Chemistry 3 20

CH 323 Chemical Biology 3 20

CH 325 Intermediate Organic Chemistry and

Spectroscopy 3 20

CH 326 Inorganic Chemistry, Structures and

Spectroscopy 3 20

Fourth Year

11.12.27 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Level Credits

CH 449 BSc with Honours in Chemistry with Drug

Discovery 4 120

*CH 449* comprises:

CH 412 Core Chemistry 4 40

CH 436 Honours Project and Dissertation 4 40

CH 437 Career Skills 4 20

CH 442 Drug Discovery Specialisation 4 20

or other classes as approved by the Course Director

Curriculum (Part-time study)

11.12.28 Part-time students will normally take classes amounting to 60 credits in each year of study.

Progress

11.12.29 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum including normally those for the classes *CH 106 Chemistry: Principles and Practice 1*, *CH 107 Chemistry*: *Principles and Practice 2* and *CH 108 Practical and Transferable Skills*.

11.12.30 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including normally 100 at Level 2 from Chemistry classes in the second year curriculum.

11.12.31 In order to progress to the fourth year of the course, a student must normally have accumulated at least 360 credits from the course curriculum including 60 at Level 3 from the Chemistry classes in the third year curriculum.

Final Honours Classification

11.12.32 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *CH 449*

11.12.33 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes which are taken in the third and fourth year of the course.

Award

11.12.34 **BSc with Honours**: Notwithstanding the requirements of Regulation 11.1.10, in order to qualify for the award of the degree of BSc with Honours in Chemistry with Drug Discovery, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

**Transfer**

11.12.35A candidate who fails to satisfy the progress or award requirements for the degree may be transferred to the degree of BSc in Chemistry.

11.12.36

to 11.12.40 (Numbers not used)

Applied Chemistry

BSc with Honours in Applied Chemistry

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Course

11.12.41 All students are normally admitted in the first instance to the degree of MSci in Applied Chemistry and Chemical Engineering (see Regulation 12.30). Transfer between the degrees offered by the Departments of Pure and Applied Chemistry and Chemical and Process Engineering may be possible subject to satisfying the appropriate progress requirements.

Mode of Study

11.12.42 The course is available by both full-time and part-time study.

First Year Curriculum

11.12.43 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry:Principles and Practice 2 1 20

CP 101 Basic Principles in Chemical Engineering,

Thermodynamics and Maths Bridging 1 20

CP 102 Chemical Engineering: Fundamentals,

Techniques and Tools 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class 10

Second Year Curriculum

11.12.44 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physical Chemistry 1 2 20

CH 218 Practical Organic, Inorganic and Physical

Chemistry and Safety 2 20

CP 204 Fluid Flow and Heat Transfer 2 20

CP 207 Process Analysis and Statistics 2 20

MM 211 Mathematics 3B 2 20

Elective Class 10

Third Year Curriculum

11.12.45 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 306 Practical Preparative and Physical Chemistry 3 20

CH 324 Inorganic Chemistry 3 20

CH 325 Intermediate Organic Chemistry and

Spectroscopy 3 20

CP 302 Mass Transfer and Separation Processes 3 20

CP 306 Chemical Engineering Design and Advanced

Information Technology 3 20

CP 316 Reactors 3 10

CP 317 Chemical Engineering Practice 3 10

Fourth Year Curriculum

11.12.46 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 430 BSc with Honours in Applied Chemistry 4 120

*CH 430* comprises:

Compulsory Classes

CH 435 Applied Chemistry Project 4 40

CP 405 Process Control and Environmental Technology 4 20

CP 408 Chemical Engineering Design (BSc) 4 40

Optional Classes

20 credits chosen from

CH 460 Physical Chemistry 2 4 20

CH 461 Inorganic Chemistry, Structures and

Spectroscopy 4 20

or other classes as approved by the Course Director

Curriculum (Part-time study)

11.12.47 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

11.12.48 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.12.49 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including normally at least 100 at Level 2.

11.12.50 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including normally at least 60 at Level 3.

Final Honours Classification

11.12.51 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under class code *CH 430.*

11.12.52 The final classification for the degree of BSc with Honours in Applied Chemistry will normally be based on the first assessed attempt at compulsory and specified optional classes taken in the third and fourth year.

Award

11.12.53 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Applied Chemistry, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

Transfer

11.12.54 A candidate who fails to satisfy the progress or award requirements for the degree may be transferred to the degree of BSc in Chemistry.

11.13 Department of Computer and Information Sciences

Business Information Systems

BSc with Honours in Business Information Systems

BSc in Business Information Systems

Diploma of Higher Education in Business Information Systems

Certificate of Higher Education in Business Information Systems

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.13.1 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.13.2The courses are available by full-time study only.

Curriculum

First Year

11.13.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 103 Machines, Languages and Computation 1 20

CS 104 Information and Information Systems 1 20

CS 105 Programming Foundations 1 20

CS 106 Computer Systems and Organisation 1 20

CS 109 Topics in Computing 1 1 10

MS 112 Business Analysis and Technology 1 20

Elective Class 10

Second Year

11.13.4 All students shall undertake classes amounting to 120credits as follows.

Compulsory Classes Level Credits

CS 207 Advanced Programming 2 20

CS 209 User and Data Modelling 2 20

CS 210 Computer Systems and Architecture 2 20

CS 211 Professional Issues in Computing 2 10

MS 210 Analysing and Improving Operations 2 20

MS 211 Managing Business Processes and Information

Systems 2 20

Elective Class 10

Third Year

11.13.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

CS 312 Web Applications Development 3 20

CS 313 Computer Systems and Concurrency 3 20

CS 317 Mobile App Development 3 20

MS 311 Knowledge and Innovation Management 3 20

MS 361 Understanding and Optimizing Business Systems 3 20

Fourth Year

11.13.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

CS 417 Business Information Systems\* 4 80

CS 408 Individual Project 4 40

*\*CS 417 Business Information Systems* comprises:

80 credits chosen from:

CS 409 Software Architecture and Design 4 20

CS 412 Information Access and Mining 4 20

CS 414 Digital Forensics 4 20

MS 418 Project Management 4 20

Up to 40 credits of Level 4 Management Science (Business Technology) classes, as approved by the Course Director.

Such other Level 4 classes as may be approved by the Course Director.

Progress

11.13.7 In order to progress to the second year of the course, a student must have accumulated at least 100credits from the course curriculum which must include a non-compensated Pass for the class *CS 105 Programming Foundations.*

11.13.8 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including at least 100 credits at Level 2 which must include a non-compensated Pass for the class *CS 207* *Advanced Programming*.

11.13.9 In order to progress to the fourth year of the Honours degree course, a student must normally have accumulated at least 360 credits from the course curriculum including at least 100 credits at Level 3.

Final Honours Classification

11.13.10 On successful completion of the fourth year, a candidate will be awarded 80 Level 4 credits under the class code *CS 417 Business Information Systems.*

11.13.11 The final Honours classification will normally be based on the first assessed attempt at all classes taken at Levels 3 and 4.

Award

11.13.12 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Business Information Systems, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 200 credits at Levels 3 and 4 of which a minimum of 100 credits must be at Level 4 and must include those for the class *CS 408 Individual Project*.

11.13.13 **BSc**: In order to qualify for the award of the degree of BSc in Business Information Systems, a candidate must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100 credits at Level 3.

11.13.14 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Business Information Systems, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.13.15 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Business Information Systems, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.13.16

to 11.13.20 (Numbers not used)

Computer Science

BSc with Honours in Computer Science

BSc in Computer Science

Diploma of Higher Education in Computer Science

Certificate of Higher Education in Computer Science

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.13.21 All students are normally admitted in the first instance as potential Honours students. Transfer to the MEng in Computer Science is possible prior to the second year of study subject to satisfying the appropriate progress requirements.

Mode of Study

11.13.22The courses are available by full-time study only.

Curriculum

First Year

11.13.23 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

CS 103 Machines, Languages and Computation 1 20

CS 104 Information and Information Systems 1 20

CS 105 Programming Foundations 1 20

CS 106 Computer Systems and Organisation 1 20

CS 109 Topics in Computing 1 1 10

CS 110 Combinatorics for Computer Science 1 1 10

MS 108 Business Analysis & Technology (Sem 1) 1 10

Elective Class 10

Second Year

11.13.24 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

CS 207 Advanced Programming 2 20

CS 208 Logic and Algorithms 2 20

CS 209 User and Data Modelling 2 20

CS 210 Computer Systems and Architecture 2 20

CS 211 Professional Issues in Computing 2 10

CS 212 Topics in Computing 2 2 10

CS 215 Combinatorics for Computer Science 2 2 10

Elective Class 10

Third Year

11.13.25 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

CS 313 Computer Systems and Concurrency 3 20

Optional Classes

80 credits chosen from:

CS 310 Foundations of Artificial Intelligence 3 20

CS 311 Programming Language Definition and

Implementation 3 20

CS 312 Web Applications Development 3 20

CS 316 Functional Programming 3 20

CS 317 Mobile App Development 3 20

Fourth Year

11.13.26 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 418 Computer Science\* 4 80

CS 408 Individual Project 4 40

*\*CS 418 Computer Science* comprises: 80 credits chosen from

CS 409 Software Architecture and Design 4 20

CS 410 Advanced Functional Programming 4 20

CS 411 Theory of Computation 4 20

CS 412 Information Access and Mining 4 20

CS 414 Digital Forensics 4 20

MS 418 Project Management 4 20

Such other Level 4 classes as may be approved by the Course Director.

Progress

11.13.27 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum which must include a non-compensated Pass for the class *CS 105 Programming Foundations.*

11.13.28 In order to progress to the third year of the course, a student must have accumulated 220 credits from the course curriculumincluding at least 100 credits at Level 2 which must include a non-compensated Pass for the class *CS 207* *Advanced Programming*.

11.13.29 In order to progress to the fourth year of the Honours degree course, a student must have accumulated at least 360credits from the course curriculum including at least 100 credits at Level 3.

Final Honours Classification

11.13.30 On successful completion of the fourth year, a candidate will be awarded 80 Level 4 credits under the class code *CS 418 Computer Science.*

11.13.31 The final Honours classification will normally be based on the first assessed attempt at all classes taken at Levels 3 and 4.

Award

11.13.32 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Computer Science, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 200 credits at Levels 3 and 4 of which a minimum of 100 must be at Level 4 and must include those for the class *CS 408 Individual Project*.

11.13.33 **BSc**: In order to qualify for the award of the degree of BSc in Computer Science, a candidate must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100 credits at Level 3.

11.13.34 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Computer Science, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.13.35 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Computer Science, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.13.36

to 11.13.40 (Numbers not used)

Computer Science with Law

BSc with Honours in Computer Science with Law

BSc in Computer Science with Law

Diploma of Higher Education in Computer Science with Law

Certificate of Higher Education in Computer Science with Law

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.13.41 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.13.42The courses are available by full-time study only.

Curriculum

First Year

11.13.43 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

CS 104 Information and Information Systems 1 20

CS 105 Programming Foundations 1 20

CS 106 Computer Systems and Organisation 1 20

M9 113 Law and Society 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

Elective Class 10

Second Year

11.13.44 All students shall undertake classes amounting to130 credits as follows:

Compulsory Classes Level Credits

CS 207 Advanced Programming 2 20

CS 209 User and Data Modelling 2 20

CS 210 Computer Systems and Architecture 2 20

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 209 Commercial Law 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

Elective Class 10

Third Year

11.13.45 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

CS 312 Web Applications Development 3 20

M9 314 Intellectual Property 3 20

M9 352 Internet Law 3 20

Optional Classes

40 credits chosen from:

CS 313 Computer Systems and Concurrency 3 20

CS 317 Mobile App Development 3 20

M9 116 Public Law 1\* 1 20

Such other classes as may be approved by the Course Director.

\* Students wishing to take advantage of Credit Transfer for the degree of LLB under regulation 11.128.61 must take the class *M9 116 Public Law 1*.

Fourth Year

11.13.46

All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

CS 419 Computer Science with Law\* 4 80

CS 408 Individual Project 4 40

*\*CS 419 Computer Science with Law* comprises:

M9 437 Internet Law Honours 4 20

and Optional classes amounting to 60 credits so that the curriculum contains at least 20 and no more than 40 credits of Level 4 Computer Science Classes chosen from those listed in Regulation 11.13.26, and no more than 40 credits of Level 4 Law Classes chosen from those classes listed in Regulation 11.128.7.

Progress

11.13.47 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum which must include a non-compensated Pass for the class *CS 105 Programming Foundations.*

11.13.48 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including normallyat least 100 credits of compulsory second year classes which must include a non-compensated Pass for the class *CS 207 Advanced Programming*. .

11.13.49 In order to progress to the fourth year of the Honours degree course, a student must have accumulated at least 360credits from the course curriculum including at least 100 credits at Level 3.

Final Honours Classification

11.13.50 On successful completion of the fourth year, a candidate will be awarded 80 Level 4 credits under the class code *CS 419 Computer Science with Law.*

11.13.51 The final Honours classification will normally be based on the first assessed attempt at classes taken at Levels 3 and 4.

Award

11.13.52 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Computer Science with Law, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 200 credits at Levels 3 and 4 of which a minimum of 100 must be at Level 4 and must include those for the class *CS 408 Individual Project.*

11.13.53 **BSc**: In order to qualify for the award of the degree of BSc in Computer Science with Law, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.13.54 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Computer Science with Law, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.13.55 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Computer Science with Law, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.13.56

to 11.13.60 (Numbers not used)

Software Engineering

BSc with Honours in Software Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Course

11.13.61 This degree is available only as an Honours degree.

Mode of Study

11.13.62The course is available by full-time study only.

Place of Study

11.13.63 The course includes placement out with the University campus.

Curriculum

First Year

11.13.64 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 103 Machines, Languages and Computation 1 20

CS 104 Information and Information Systems 1 20

CS 105 Programming Foundations 1 20

CS 106 Computer Systems and Organisation 1 20

CS 109 Topics in Computing 1 1 10

CS 110 Combinatorics for Computer Science 1 1 10

MS 108 Business Analysis & Technology (Sem1) 1 10

Elective Class 10

Second Year

11.13.65 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 207 Advanced Programming 2 20

CS 208 Logic and Algorithms 2 20

CS 209 User and Data Modelling 2 20

CS 210 Computer Systems and Architecture 2 20

CS 211 Professional Issues in Computing 2 10

CS 212 Topics in Computing 2 2 10

CS 215 Combinatorics for Computer Science 2 2 10

Elective Class 10

Third Year

11.13.66 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

CS 313 Computer Systems and Concurrency 3 20

Optional Classes

80 credits chosen from:

CS 310 Foundations of Artificial Intelligence 3 20

CS 311 Programming Language Definition and

Implementation 3 20

CS 312 Web Applications Development 3 20

CS 316 Functional Programming 3 20

CS 317 Mobile App Development 3 20

Industrial Placement

11.13.67 Between the third and the fourth years of their study each student shall spend a period of approximately one year on work approved by the Course Director; this shall constitute the class *CS 415* *Industrial Placement*. The major part of this period will normally be spent in industry and a report on the work performed must be submitted to the Course Director by the end of the first week of the first semester of the final year. This report shall count for 20 credits at Level 4 in the calculation of the final degree classification.

Fourth Year

11.13.68 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 420 Software Engineering\* 4 80

CS 408 Individual Project 4 40

*\*CS 420 Software Engineering* comprises:

CS 409 Software Architecture and Design 4 20

together with 60 credits chosen from:

CS 410 Advanced Functional Programming 4 20

CS 411 Theory of Computation 4 20

CS 412 Information Access and Mining 4 20

CS 414 Digital Forensics 4 20

MS 418 Project Management 4 20

Such other Level 4 classes as may be approved by the Course Director.

Progress

11.13.69 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum which must include a non-compensated Pass for the class *CS 105 Programming Foundations.*

11.13.70 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including at least 100 credits at Level 2 which must include a non-compensated Pass for the class *CS 207 Advanced Programming*.

11.13.71 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including at least 100 credits at Level 3.

Final Honours Classification

11.13.72 On successful completion of the fourth year, a candidate will be awarded 80 Level 4 credits under the class code *CS 420 Software Engineering.*

11.13.73 The final Honours classification will normally be based on the first assessed attempt at all classes taken at Levels 3 and 4.

Award

11.13.74 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Software Engineering, a candidate must have accumulated no fewer than 500 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 200 credits at Levels 3 and 4 of which a minimum of 100 must be at Level 4 and must include those for *CS 408 Individual Project* and *CS 415 Industrial Placement.*

Transfer

11.13.75 A candidate who fails to satisfy the progress or award requirements for the degree of BSc with Honours in Software Engineering may apply for transfer to the degree of BSc with Honours in Computer Science or the degree of BSc Computer Science.

11.13.76 to

11.14.99 (Numbers not used)

11.15 Department of Mathematics and Statistics

Mathematics

BSc with Honours in Mathematics

BSc with Honours in Mathematics and Statistics

BSc in Mathematics

Diploma of Higher Education in Mathematical Studies

Certificate of Higher Education in Mathematical Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.15.1 All students are normally admitted in the first instance as BSc with Honours in Mathematics students*.* Transfer to the BSc in Mathematics or MMath in Mathematics is possible at any time subject to satisfying the appropriate progress regulations.Transfer to the BSc with Honours in Mathematics and Statistics or MMath in Mathematics and Statistics is possible from the end of third year, subject to satisfying the appropriate progress requirements.

Mode of Study

11.15.2 The courses are available by full-time and part-time study.

Curriculum (Full-time study)

First Year

11.15.3 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

MM 108 Applying Mathematics 1 1 10

MM 109 Applying Mathematics 2 1 10

Elective Class(es) 20

Second Year

11.15.4 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 203 Applicable Analysis 2 20

MM 204 Probability and Statistical Inference 2 20

MM 205 Introduction to Newtonian Mechanics 2 20

MM 206 Mathematical and Statistical Computing 2 20

Third Year

11.15.5 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 302 Differential Equations 3 20

Optional Classes\*

60 credits chosen by Honours students from List A or another class approved by the Course Director; and by other students from Lists A and B.

List A

MM 303 Applicable Analysis 2 3 20

MM 304 Inference and Regression Modelling 3 20

MM 305 Mechanics of Rigid Bodies and Fluids 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

List B

Classes in Regulation 11.15.4 not previously taken or further Elective Classes.

\* Intending Honours degree in Mathematics and Statistics students must take *MM 304 Inference and Regression Modelling* and *MM 307 Stochastics and Financial Econometrics.*

Fourth Year

11.15.6 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

*Mathematics*

MM 400 Mathematics\* 4 120

\*\* *MM 400 Mathematics* comprises:

MM 401 Communicating Mathematics and Statistics 4 20

and classes amounting to 100 credits chosen from lists A and B below:

*Mathematics and Statistics*

MM 410 Mathematics and Statistics\*\* 4 120

*\*\* MM 410 Mathematics and Statistics comprises:*

MM 401 Communicating Mathematics and Statistics 4 20

and Optional classes amounting to 100 credits chosen so that the curriculum contains no fewer than 60 credits from List A and 40 credits from List B below, or another class approved by the Course Director:

Optional Classes

List A

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 407 Applied Statistics in Society 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

List B\*\*\*

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\*\*Not all of these classes will be available every year.

Curriculum (Part-time study)

11.15.7 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

11.15.8 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum including those for the classes *MM 101 Introduction to Calculus* and *MM 102 Applications of Calculus.*

11.15.8b In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum.

11.15.9 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes *MM 201 Linear Algebra and Differential Equations* and *MM 202 Advanced Calculus.*

11.15.9b In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum.

11.15.10 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 120 credits at Level 3 or above.

Progress (Part-time study)

11.15.11 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits.

Final Assessment and Classification

11.15.12 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *MM 400 Mathematics* or *MM410 Mathematics and Statistics*.

11.15.13 The final classification for the degree of BSc with Honours in Mathematics or Mathematics and Statistics will normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.15.14 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Mathematics, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include at least 120 credits at Level 4.

11.15.15 In order to qualify for the award of the degree of BSc with Honours in Mathematics and Statistics, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include at least 120 credits at Level 4.

11.15.16 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.15.17 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Mathematical Studies*,* a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.18 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematical Studies,a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.15.19

to 11.15.20 (Numbers not used)

Mathematics and Computer Science

BSc with Honours in Mathematics and Computer Science

BSc in Mathematics and Computer Science

Diploma of Higher Education in Mathematics and Computer Science

Certificate of Higher Education in Mathematics and Computer Science

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.15.21 All students are normally admitted in the first instance as Honours students*.* Transfer to the BSc in Mathematics and Computer Scienceis possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

11.15.22 The courses are available by full-time study.

Curriculum

First Year

11.15.23 All students shall undertake classes amounting to 130credits as follows

Compulsory Classes Level Credits

CS 103 Machines, Languages and Computation 1 20

CS 104 Information and Information Systems 1 20

CS 105 Programming Foundations 1 20

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 123 Geometry and Algebra 1 10

MM 106 Essential Statistics 1 10

Elective Class 10

Second Year

11.15.24 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

CS 207 Advanced Programming 2 20

CS 208 Logic and Algorithms 2 20

CS 209 User and Data Modelling 2 20

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 203 Applicable Analysis 2 20

Elective Class 10

Third Year

11.15.25 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

MM 301 Linear Algebra 3 20

MM 302 Differential Equations 3 20

Elective Class(es) 20

Optional Classes

60 credits chosen by Honours students from Lists A and B or another class  approved by the Course Director, including at least 20 credits from List B; and by other students from Lists A, B, and C.

List A

MM 303 Applicable Analysis 2 3 20

MM 306 Numerical Analysis 3 20

List B

CS 317 Mobile App Development 3 20

CS 310 Foundations of Artificial Intelligence 3 20

CS 311 Programming Language Definition and

Implementation 3 20

CS 312 Web Applications Development 3 20

CS 316 Functional Programming 3 20

List C

Classes listed in Regulations 11.15.3 and 11.15.4 not previously taken, or

further Elective Classes.

Fourth Year

11.15.26 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

MM 420 Mathematics and Computer Science\* 4 120

\* *MM 420 Mathematics and Computer Science* comprises :

MM 401 Communicating Mathematics and Statistics 4 20

or

CS 408 Individual Project (Computer Science) 4 40

and Optional Classes chosen from Lists A and B so that the curriculum contains no fewer than 40 credits in each subject.

List A

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 407 Applied Statistics in Society 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

\*\*Not all of these classes will be available every year.

List B

CS 409 Software Architecture and Design 4 20

CS 411 Theory of Computation 4 20

CS 412 Information Mining and Access 4 20

Progress

11.15.27 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum including those for the classes *MM 101 Introduction to Calculus* and *MM 102 Applications of Calculus*.

11.15.27b In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum.

11.15.28 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum including those for the class *MM 201 Linear Algebra and Differential Equations.*

11.15.28b In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum.

11.15.29 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 120 credits at Level 3 or above.

Final Assessment and Classification

11.15.30 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *MM 420*.

11.15.31 The final classification for the degree of BSc with Honours in Mathematics and Computer Sciencewill normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.15.32 **BSc with Honours**: In order to qualify for the award of the degree ofBSc with Honours in Mathematics and Computer Science, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 120 credits at Level 4 or above.

11.15.33 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics and Computer Science*,* a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.15.34 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inMathematics and Computer Science, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.35 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematics and Computer Science,a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.15.36

to 11.15.40 (Numbers not used)

Mathematics and Physics

BSc with Honours in Mathematics and Physics

BSc in Mathematics and Physics

Diploma of Higher Education in Mathematics and Physics

Certificate of Higher Education in Mathematics and Physics

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.15.41 All students are normally admitted in the first instance as Honours students*.* Transfer to the BSc in Mathematics and Physicsis possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

11.15.42 The courses are available by full-time and part-time study.

Curriculum (Full-time study)

First Year

11.15.43 All full-time students shall undertake classes amounting to 130credits as follows:

Compulsory Classes Level Credits

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 123 Geometry and Algebra 1 10

MM 106 Essential Statistics 1 10

PH 150 Experimental Physics 1 20

PH 151 Mechanics, Optics and Waves 1 20

PH 152 Quantum Physics and Electromagnetism 1 20

Elective Class 10

Second Year

11.15.44 All full-time students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 206 Mathematical and Statistical Computing 2 20

PH 251 Mechanics, Optics and Waves 2 20

PH 252 Quantum Physics and Electromagnetism 2 20

PH 258 Condensed Matter Physics 2 10

PH 259 Gases and Liquids 2 10

Elective Class 10

Third Year

11.15.45 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 300 Complex Variables and Integral Transforms 3 20

MM 302 Differential Equations 3 20

PH 352 Quantum Physics and Electromagnetism 3 20

PH 358 Condensed Matter Physics 3 10

PH 359 Statistical Physics 3 10

Optional Classes

40 credits chosen by Honours students from List A; or another class approved by the Course Director, and by other students from Lists A and B.

List A

MM 305 Mechanics of Rigid Bodies and Fluids 3 20

MM 306 Numerical Analysis 3 20

PH 355 Physics Skills 3 20

List B

PH 254 Computational Physics 2 20

Classes listed in Regulations 11.15.3 and 11.15.4 not previously taken, or further Elective Classes.

Fourth Year

11.15.46 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

*Mathematics and Physics*

MM 430 Mathematics and Physics\* 4 120

\* *MM 430 Mathematics and Physics* comprises:

MM 401 Communicating Mathematics and Statistics 4 20

or

PH 450 Project (Physics) 4 40

and Optional Classes chosen from lists A and B so that the curriculum contains no fewer than 40 credits in each subject.

List A\*\*

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 407 Applied Statistics in Society 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

\*\*Not all of these classes will be available every year.

List B

PH 452 Topics in Physics 4 20

PH 453 Topics in Solid State Physics 4 20

PH 454 Topics in Nanoscience 4 20

PH 455 Topics in Photonics 4 20

PH 456 Topics in Complex Systems In Physics 4 20

PH 457 Topics in Theoretical Physics 4 20

PH 458 Topics in Quantum Physics 4 20

PH 459 Topics in Atomic, Molecular and Nuclear Physics 4 20

PH 462 Topics in Quantum Optics 4 20

Curriculum (Part-time study)

11.15.47 Students studying on a part-time basis will normally take classes amounting to 60/70 credits in each year.

Progress

11.15.48 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum including those for the classes *MM 101 Introduction to Calculus* and *MM 102 Applications of Calculus*.

11.15.48b In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum.

11.15.49 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum including those for the class *MM 201* *Linear Algebra and Differential Equations*.

11.15.49b In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum.

11.15.50 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 120 credits at Level 3 or above.

Progress (Part-time study)

11.15.51 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120/130 credits.

Final Assessment and Classification

11.15.52 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code MM 430 Mathematics and Physics.

11.15.53 The final classification for the degree of BSc with Honours in Mathematics and Physics will normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.15.54 **BSc with Honours**: In order to qualify for the award of the degree ofBSc with Honours in Mathematics and Physics, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 120 credits at Level 4 or above.

11.15.55 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics and Physics*,* a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.15.56 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inMathematics and Physics, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.57 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematics and Physics,a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.15.58

to 11.15.60 (Numbers not used)

Mathematics, Statistics and Accounting

BSc with Honours in Mathematics, Statistics and Accounting

BSc in Mathematics, Statistics and Accounting

Diploma of Higher Education in Mathematical Studies

Certificate of Higher Education in Mathematical Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.15.61 All students are normally admitted in the first instance as Honours students*.* Transfer to the BSc in Mathematics, Statistics and Accountingis possible at any time subject to satisfying the appropriate progress regulations.Students wishing to obtain professional accreditation in Accounting should consult the Adviser of Study (Accounting) regarding their choice of optional classes. To be eligible for accreditation students will require to take an additional 20 credit class.

Mode of Study

11.15.62 The courses are available by full-time study.

Curriculum

First Year

11.15.63 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

AG 111 Accounting Technologies 1 20

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

Elective Class(es) 20

Additional Optional Class

Students seeking professional accreditation in Accounting must additionally take the class

AG 105 Introduction to Finance and Financial Statistics 1 20

Second Year

11.15.64 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AG 218 Intermediate Financial Reporting 2 20

AG 219 Cost and Management Accounting 2 20

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 204 Probability and Statistical Inference 2 20

Optional Classes

20 credits chosen from:

AG 209 Taxation 2 20

MM 206 Mathematical and Statistical Computing 2 20

Third Year

11.15.65 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

AG 309 Governance and Accounting Ethics 3 10

AG 308 Auditing and Assurance 3 10

AG 310 Advanced Financial Reporting 3 10

AG 311 Contemporary Management Accounting 3 10

MM 302 Differential Equations 3 20

MM 304 Inference and Regression Modelling 3 20

Optional Classes

40 credits chosen by Honours students from Lists A and B or another class approved by the Course Director; and by other students from Lists A, B and C.

List A

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

List B

AG 215 Business Finance 2 20

M9 117 Business Law 1 20

List C

Classes in Regulations 11.15.4, 11.15.5 and 11.15.64 not previously taken or further Elective Classes.

Fourth Year

11.15.66 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

MM 450 Mathematics and Accounting\* 4 120

\* *MM 450 Mathematics and Accounting* comprises :

MM 401 Communicating Mathematics and Statistics 4 20

or

40 480 Project (BSc Accounting) 4 20

or

AG 435 Accounting Dissertation 4 40

and Optional Classes chosen from Lists A, B and C below so that the curriculum contains at least 40 credits of Business subjects, with no fewer than 20 credits from each of Lists A, B and C.

List A

MM 402 Modelling and Simulation with Applications

to Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM407 Applied Statistics in Society 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

List B

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\*Not all of these classes will be available every year.

List C

AG 408 Integrative Studies in Management Accounting 4 20

AG 409 Sustainable Accounting: Theory and Practice 4 20

AG 413 Taxation 4 20

AG 415 Contemporary Issues in International Financial

Reporting 4 20

AG 416 Management Accounting Theory and Practice 4 20

AG 417 Research Methodologies and Accounting 4 20

AG 418 Public Sector Accounting 4 20

AG 419 Accounting and Risk 4 20

AG 420 Auditing Theory and Practice 4 20

AG 422 Accounting Ethics 4 20

AG 424 Accounting Theories 4 20

AG 425 Corporate Governance 4 20

AG 437 Strategic Accounting and Financial Management

in Entrepeneurial Firms 4 20

AG 438 Understanding Accounting Technologies and

Institutional Structures 4 20

Progress

11.15.67 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum including those for the classes *MM 101 Introduction to Calculus, MM 102 Applications of Calculus* and *AG 111 Accounting Technologies*.

11.15.68 In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum including those for the class *AG 111 Accounting Technologies*.

11.15.69 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes *MM 201 Linear Algebra and Differential Equations, MM 204 Probability and Statistical Inference, AG 218 Intermediate Financial Reporting and AG 219 Cost and Management Accounting.*

11.15.70 In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes *AG 218 Intermediate Financial Reporting and AG219 Cost and Management Accounting.*

11.15.71 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including those for the classes *AG 309 Governing and Accounting Ethics, AG 308 Auditing and Assurance, AG 310 Advanced Financial Reporting* and *AG 311 Contemporary Management Accounting.*

Final Assessment and Classification

11.15.72 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *MM 450*.

11.15.73 The final classification for the degree of BSc with Honours in Mathematics, Statistics and Accounting will normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.15.74 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Mathematics, Statistics and Accounting, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 120 credits at Level 4 or above.

11.15.75 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics, Statistics and Accounting, a candidate must have accumulated no fewer than 360 credits from the course curriculum including those for the classes AG 218 Intermediate Financial Reporting, AG 219 Cost and Management Accounting, AG 309 Governance and Accounting Ethics, AG 308 Auditing and Assurance, AG 310 Advanced Financial Reporting and AG 311 Contemporary Management Accounting.

11.15.76 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inMathematical Studies*,* a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.77 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematical Studies, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.15.78

to 11.15.80 (Numbers not used)

Mathematics, Statistics and Economics

BSc with Honours in Mathematics, Statistics and Economics

BSc in Mathematics, Statistics and Economics

Diploma of Higher Education in Mathematical Studies

Certificate of Higher Education in Mathematical Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.15.81 All students are normally admitted in the first instance as Honours students*.* Transfer to the BSc in Mathematics, Statistics and Economicsis possible at any time subject to satisfying the appropriate progress regulations.

Mode of Study

11.15.82 The courses are available by full-time and part-time study.

Curriculum (Full-time study)

First Year

11.15.83 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

EC 111 Introduction to Economics 1 20

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

Elective Class(es) 20

Second Year

11.15.84 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

EC 212 Microeconomics 2 2 20

EC 213 Macroeconomics 2 2 20

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 204 Probability and Statistical Inference 2 20

MM 206 Mathematical and Statistical Computing 2 20

Third Year

11.15.85 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

EC313 Microeconomics 3 3 20

EC312 Macroeconomics 3 3 20

MM 302 Differential Equations 3 20

MM 304 Inference and Regression Modelling 3 20

Optional Classes

40 credits chosen by Honours students from Lists A and B or another class approved by the Course Director; and by other students from Lists A~~,~~ and B

List A

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 306 Numerical Analysis 3

MM 307 Stochastics and Financial Econometrics 3 20

List B

Classes in Regulations 11.15.4, 11.15.5 and 11.15.84 not previously taken or further Elective Classes.

Fourth Year

11.15.86 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

MM 460 Mathematics and Economics\* 4 120

\* *MM 460 Mathematics and Economics* comprises:

MM 401 Communicating Mathematics and Statistics 4 20

or

31 490 Project BSc (Economics) 4 20

and Optional Classes amounting to 100 credits chosen so that the curriculum contains no fewer than 20 from List A, 20 credits from List B and 40 credits from List C.

List A

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 407 Applied Statistics in Society 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

List B

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\*Not all of these classes will be available every year.

List C

EC 403 Microeconomics 4 4 20

EC 404 Macroeconomics 4 4 20

EC 412 Industrial Economics 4 20

EC 414 Financial Development and Economic Growth 4 20

EC 415 Behavioural Economics 4 20

EC 416 Natural Resource and Environmental and Energy

Economics 4 20

Curriculum (Part-time study)

11.15.87 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

11.15.88 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum including those for the classes *MM 101 Introduction to Calculus, MM 102 Applications of* *Calculus* and *EC 111 Introduction to Economics*.

11.15.89 In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum including those for the class *EC 111 Introduction to Economics.*

11.15.90 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes *MM201 Linear Algebra and Differential Equations, MM 204 Probability and Statistical Inference, EC 212 Microeconomics 2* and *EC 213 Macroeconomics 2*.

11.15.91 In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes EC 212 Microeconomics 2 and EC 213 Macroeconomics 2.

11.15.92 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including those for the class *EC 311 Introduction to Econometrics.*

Progress (Part-time study)

11.15.93 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits.

Final Assessment and Classification

11.15.94 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code MM 460 Mathematics and Economics.

11.15.95 The final classification for the degree of BSc with Honours in Mathematics, Statistics and Economicswill normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.15.96 **BSc with Honours**: In order to qualify for the award of the degree ofBSc with Honours in Mathematics, Statistics and Economics, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 120 credits at Level 4 or above.

11.15.97 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics, Statistics and Economics, a candidate must have accumulated no fewer than 360 credits from the course curriculum including those for the classes *EC 111 Introduction to Economics, EC 212 Microeconomics 2, EC 213 Macroeconomics 2* and *EC 311 Introduction to Econometrics*.

11.15.98 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inMathematical Studies, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.99 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematical Studies,a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Mathematics, Statistics and Finance

BSc with Honours in Mathematics, Statistics and Finance

BSc in Mathematics, Statistics and Finance

Diploma of Higher Education in Mathematical Studies

Certificate of Higher Education in Mathematical Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.15.101 All students are normally admitted in the first instance as Honours students*.* Transfer to the BSc in Mathematics, Statistics and Financeis possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

11.15.102 The courses are available by full-time study only.

Curriculum

First Year

11.15.103 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

AG 151 Introduction to Finance and Accounting 1 20

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

Elective Class(es) 20

Second Year

11.15.104 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AG 215 Business Finance 2 20

AG 217 Portfolio Management and Security Analysis 2 20

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 204 Probability and Statistical Inference 2 20

MM 206 Mathematical and Statisitical Computing 2 20

Third Year

11.15.105 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AG312 Advanced Corporate Finance and Financial Markets 3 20

AG313 Treasury Management and Derivatives 3 20

MM 302 Differential Equations 3 20

MM 304 Inference and Regression Modelling 3 20

Optional Classes

40 credits chosen by Honours students from List A or another class approved by the Course Director; and by other students from Lists A and B.

List A

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

List B

Classes in Regulations 11.15.4 and 11.15.5 not previously taken or further Elective Classes.

Fourth Year

11.15.106 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

MM 470 Mathematics and Finance\* 4 120

\* *MM 470 Mathematics and Finance* comprises:

MM 401 Communicating Mathematics and Statistics 4 20

or

40 490 Project (BSc Finance) 4 20

and Optional Classes amounting to 100 credits chosen so that the curriculum contains no fewer than 20 credits from List A, 20 credits from List B and 40 credits from List C.

List A

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 407 Applied Statistics in Society 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

List B

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

List C

AG 428 Asset Pricing 4 20

AG 430 Corporate Financing 4 20

AG 431 Corporate Investment 4 20

AG 433 International Corporate Governance 4 20

AG 432 Financial Quantitative Methods 4 20

AG 426 Advanced Derivatives 4 20

AG 427 Advanced Portfolio Analysis 4 20

AG 429 Behavioural Finance 4 20

AG 434 International Financial Management 4 20

\*\*Not all of these classes will be available every year

Progress

11.15.107 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum including those for the classes *MM 101 Introduction to Calculus, MM 102 Applications of Calculus* and *AG 151 Introduction to Finance and Accounting.*

11.15.108 In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum including those for the class *AG 151 Introduction to Finance and Accounting.*

11.15.109 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes *MM 201 Linear Algebra and Differential Equations*, *MM 204 Probability and Statistical Inference*, *AG 215 Business Finance* and *AG 217 Portfolio Management and Security Analysis.*

11.15.110 In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes *AG 215 Business Finance* and *AG 217 Portfolio Management and Security Analysis*.

11.15.111 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including those for the classes *AG 306 Security Analysis* and *AG 307 Treasury Management and International Finance*.

Final Assessment and Classification

11.15.112 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *MM 470.*

11.15.113 The final classification for the degree of BSc with Honours in Mathematics, Statistics and Finance will normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.15.114 **BSc with Honours**: In order to qualify for the award of the degree ofBSc with Honours in Mathematics, Statistics and Finance, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 120 credits at Level 4 or above.

11.15.115 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics, Statistics and Finance, a candidate must have accumulated no fewer than 360 credits from the course curriculum including those for the classes *AG 151 Introduction to Finance and Accounting, AG 215 Business Finance, AG 217 Portfolio Management and Security Analysis, AG 306 Security Analysis* and *AG 307 Treasury Management and International Finance*.

11.15.116 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in MathematicalStudies, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.117 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematical Studies,a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.15.118

to 11.15.120 (Numbers not used)

# 

# Mathematics, Statistics and Business Analysis

## BSc with Honours in Mathematics, Statistics and Business Analysis

## BSc in Mathematics, Statistics and Business Analysis

**Diploma of Higher Education in Mathematical Studies Certificate of Higher Education in Mathematical Studies**

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.15.121 All students are normally admitted in the first instance as Honours students*.* Transfer to the BSc in Mathematics, Statistics and Business Analysisis possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

11.15.122 The courses are available by full-time study only.

Curriculum

First Year

11.15.123 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

MS 112 Business Analysis and Technology

Elective Class(es) 20

Second Year

11.15.124 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 204 Probability and Statistical Inference 2 20

MS 206 Analysing and Improving Operations 2 20

MS 211 Managing Business Processes and 2 20

Information Systems

Third Year

11.15.125 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 302 Differential Equations 3 20

MM 304 Inference and Regression Modelling 3 20

MS361 Understanding and Optimizing Business Systems 3 20

MS311 Knowledge and Innovation Management 3 20

Optional Classes

40 credits chosen by Honours students from Lists A and B or another class approved by the Course Director; and by other students from Lists A and B

List A

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

List B

Classes in Regulations 11.15.4 and 11.15.5 not previously taken or further Elective Classes.

Fourth Year

11.15.126 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

MM 481 Mathematics and Business Analysis\* 4 120

\* *MM 481 Mathematics and Businsess Analysis* comprises:

MM 401 Communicating Mathematics and Statistics 4 20

or

48 490 Project (BSc Management Science) 4 20

or

MS 424 Dissertation in Management Science 4 40

and Optional Classes chosen from Lists A, B and C below so that the curriculum contains at least 40 credits of Business subjects, with no fewer than 20 credits from each of Lists A, B and C.

List A

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 407 Applied Statistics in Society 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

List B\*\*

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\*Not all of these classes will be available every year

List C

MS 420 Management Science 4 4 20

MS 416 Business analytics using data mining 4 20

MS 422 Risk analysis and management 4 20

MS 415 Business process integration with ERP 4 20

Progress

11.15.127 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum including those for the classes *MM 101 Introduction to Calculus, MM 102 Applications of Calculus* and *MS 112 Business Analysis* and Technology.

11.15.128 In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum including those for the class *MS 112 Business Analysis* and Technology.

11.15.129 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum including those for the classes *MM 201 Linear Algebra and Differential Equations, MM 204 Probability and Statistical Inference* and MS 211 Managing Business Processes and Information Systems.

11.15.130 In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum including those for the class *MS 211 Managing Business Processes and Information Systems.*

11.15.131 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including those for the class *MS 309 Business Analysis and Consulting Projects*.

Final Assessment and Classification

11.15.132 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *MM 481 Mathematics and Business Analysis.*

11.15.133 The final classification for the degree of BSc with Honours in Mathematics, Statistics and Business Analysis will normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.15.134 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Mathematics, Statistics and Busisness Analysis, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 120 credits at Level 4 or above.

11.15.135 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics, Statistics and Business Analysis, a candidate must have accumulated no fewer than 360 credits from the course curriculum including those for the classes *MS 112 Business Analysis and Technology, MS 211 Managing Business Processes and Information Systems* and *MS 309 Business Analysis and Consulting Projects.*

*.*11.15.136 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inMathematical Studies, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.137 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematical Studies,a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.15.138

to 11.15.159 (number not used)

**Data Analytics**

**BSc with Honours in Data Analytics**

**BSc in Data Analytics**

**Diploma of Higher Education in Data Analytics**

**Certificate of Higher Education in Data Analytics**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 11.1]

**Status of the Courses**

11.15.160 All students are normally admitted in the first instance as Honours students.

Transfer to the BSc in Data Analytics is possible at any time subject to satisfying the appropriate progress requirements.

**Mode of Study**

11.15.161 The courses are available by full-time study.

**Curriculum**

**First Year**

11.15.162 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

|  |  |  |  |
| --- | --- | --- | --- |
| CS 103 | Machines, Languages and Computation | 1 | 20 |
| CS 104 | Information and Information Systems | 1 | 20 |
| CS 105 | Programming Foundations | 1 | 20 |
| MM 101 | Introduction to Calculus | 1 | 20 |
| MM 102 | Applications of Calculus | 1 | 20 |
| MM 123 | Geometry and Algebra | 1 | 10 |
| MM 106 | Essential Statistics | 1 | 10 |
|  |  |  |  |
|  |  |  |  |

**Second Year**

11.15.163 All students shall undertake classes amounting to 120 credits as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Compulsory Classes | Level | Credits | |
| CS 207 | Advanced Programming | 2 | 20 |
| CS 208 | Logic and Algorithms | 2 | 20 |
| CS 209 | User and Data Modelling | 2 | 20 |
| MM 221 | Linear Algebra | 2 | 10 |
| MM 222 | Multivariate Calculus | 2 | 10 |
| MM 204 | Probability and Statistical Inference | 2 | 20 |
| MM 206 | Mathematical and Statistical Computing | 2 | 20 |

**Third Year**

11.15.164 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

|  |  |  |  |
| --- | --- | --- | --- |
| CS 308 | Building Software Systems | 3 | 20 |
| MM 304 | Inference and Regression Modelling | 3 | 20 |
| MM 307 | Stochastics and Financial Econometrics | 3 | 20 |

Optional Classes

40 credits chosen by Honours students from the list below; and by other students from the list below or classes listed in Regulations 11.15.3 and 11.15.4 not previously taken or further Elective Classes:

CS 310 Foundations of Artificial Intelligence 3 20

CS 311 Programming Language Definition and Implementation 3 20

CS 312 Web Applications Development 3 20

CS 316 Functional Programming 3 20

CS 317 Mobile App Development 3 20

Elective Classes 20

**Fourth Year**

11.15.165 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

MM 490 Data Analytics\* 4 120

\* MM 490 Data Analytics comprises :

|  |  |  |  |
| --- | --- | --- | --- |
| MM 401 | Communicating Mathematics and Statistics | 4 | 20 |
| or |  |  |  |
| CS 408 | Individual Project (Computer Science) | 4 | 40 |

and Optional Classes chosen from Lists A and B so that the curriculum contains no fewer than 40 credits in each subject.

|  |  |  |  |
| --- | --- | --- | --- |
| List A: Mathematics and Statistics Classes | | | |
|  | | | |
| MM 404 | Statistical Modelling and Analysis | 4 | 20 |
| MM 407 | Applied Statistics in Society | 4 | 20 |
| MM 409 | Mathematical Introduction to Networks | 4 | 20 |
| MM 415 | Medical Statistics | 4 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| List B: Computer and Information Science Classes | | | |
| CS 409 | Software Architecture and Design | 4 | 20 |
| CS 411 | Theory of Computation | 4 | 20 |
| CS 412 | Information Mining and Access | 4 | 20 |

**Progress**

11.15.166 In order to progress to the second year of the Honours course, a student must have accumulated at least 100 credits from the course curriculum

including those for the classes MM 101 Introduction to Calculus and MM 102

Applications of Calculus.

11.15.167 In order to progress to the second year of the Bachelors course, a student must have accumulated at least 100 credits from the course curriculum.

11.15.168 In order to progress to the third year of the Honours course, a student must have accumulated at least 220 credits from the course curriculum.

11.15.169 In order to progress to the third year of the Bachelors course, a student must have accumulated at least 220 credits from the course curriculum.

11.15.170 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum.

**Final Assessment and Classification**

11.15.171 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code MM490.

11.15.172 The final classification for the degree of BSc with Honours in Data Analytics will normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years;

**Award**

11.15.173 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Data Analytics, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 120 credits at Level 4 or above.

11.15.174 **BSc:** In order to qualify for the award of the degree of BSc in Data Analytics a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.15.175 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Data Analytics, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.15.176 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Data Analytics, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.15.177

to 11.15.40 (Numbers not used)

11.17 Department of Physics

Physics

BSc with Honours in Physics

BSc in Physics

Diploma of Higher Education in Physics

Certificate of Higher Education in Physics

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.17.1 All students are normally admitted in the first instance as potential Honours students. Transfer to the MPhys is possible at any time subject to satisfying the appropriate course requirements.

Mode of Study

11.17.2 The course is available by full-time and part-time study.

Curriculum (Full-time study)

First Year

11.17.3 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 150 Experimental Physics 1 20

PH 151 Mechanics, Optics and Waves 1 20

PH 152 Quantum Physics and Electromagnetism 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class(es) 20

Second Year

11.17.4 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes (all courses) Level Credits

PH 250 Experimental Physics 2 20

PH 251 Mechanics, Optics and Waves 2 20

PH 254 Computational Physics 2 20

PH 258 Condensed Matter Physics 2 10

PH 259 Gases and Liquids 2 10

Compulsory Classes (Honours Degree)

MM 211 Mathematics 3B 2 20

PH 252 Quantum Physics and Electromagnetism 2 20

Compulsory Classes (Ordinary Degree)

PH 257 Interactive Physics 2 20

and 20 credits chosen from Regulation 11.17.7 or such other

classes as may be approved by the Adviser of Study

Third Year

11.17.5 All full-time students shall undertake classes amounting to 120 credits as follows:

PH 350 Experimental Physics 3 40

PH 355 Physics Skills 3 20

PH 358 Condensed Matter Physics 3 10

PH 359 Statistical Physics 3 10

and

*for intending Honours students*

either

MM 311 Mathematics 4B 3 20

PH 352 Quantum Physics and Electromagnetism 3 20

or

MM 211 Mathematics 3B 2 20

PH 252 Quantum Physics and Electromagnetism 2 20

*for other students*

either

PH 357 Interactive Physics 3 20

and 20 credits chosen from Regulation 11.17.7 or such other

classes as may be approved by the Adviser of Study

Or

MM 211 Mathematics 3B 2 20

PH 252 Quantum Physics and Electromagnetism 2 20

A student with a pass in a class may substitute another class with the approval of the Adviser of Study.

Fourth Year

11.17.6 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 499 Physics\* 4 120

\**PH 499* Physics comprises

PH 450 Project 4 40

and if not already taken

PH 352 Quantum Physics and Electromagnetism 3 20

together with no fewer than 60 credits chosen from the following:

MM 311 Mathematics 4B 3 20

PH 452 Topics in Physics 4 20

PH 453 Topics in Solid State Physics 4 20

PH 454 Topics in Nanoscience 4 20

PH 455 Topics in Photonics 4 20

PH 456 Topics in Computional and Complex Systems in

Physics 4 20

PH 457 Topics in Theoretical Physics 4 20

PH 458 Topics in Quantum Physics 4 20

PH 459 Topics in Atomic, Molecular and Nuclear Physics 4 20

PH 462 Topics in Quantum Optics 4 20

Or other such classes as approved by the Adviser of Study to bring the total studied at Level 4 to at least 100 credits.

Approved Optional Classes

11.17.7 Level Credits

PH 160 Introductory Astronomy 1 10

PH 161 Universe and Everything 1 10

PH 162 How Things Work 1 10

PH 163 Images 1 10

PH 164 Physics In the Open Air 1 10

PH 165 Engineering Physics 1 10

PH 166 Foundation Physics 1 20

PH 167 Physical Electronics 1 10

PH 168 Foundation Physics A 1 10

PH 169 Foundation Physics B 1 10

PH 170 All You Ever Wanted To Know About Physics

But Were Too Afraid to Ask 1 20

PH 260 Physical Electronics 2 10

MM 211 Mathematics 3B 2 20

MM 311 Mathematics 4B 3 20

Such other classes as may be approved by the Course Director.

Curriculum (Part-time study)

11.17.8 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress (Full-time study)

11.17.9 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.17.10 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

11.17.11 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 60 credits at Level 3 or above.

Progress (Part-time study)

11.17.12 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120credits.

Final Assessment and Honours Classification

11.17.13 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *PH 499.*

11.17.14 The final Honours classification will normally be based on the first assessed attempt at compulsory and optional Level 3 and Level 4 classes.

Award

11.17.15 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Physics a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 200 credits at Levels 3 and 4 with at least 100 credits at Level 4.

11.17.16 **BSc:** In order to qualify for the award of the degree of BSc in Physics a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.17.17 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inPhysics, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.17.18 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Physics, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.18

to 11.21 (Numbers not used)

11.22 Strathclyde Institute of Pharmacy and Biomedical Sciences

Biomedical Sciences (Original Course, pre 2016/17)

**BSc with Honours in Biochemistry and Immunology**

**BSc with Honours in Biochemistry and Microbiology**

**BSc with Honours in Biochemistry and Pharmacology**

**BSc with Honours in Immunology and Microbiology**

**BSc with Honours in Immunology and Pharmacology**

**BSc with Honours in Biomedical Science**

**BSc with Honours in Biomolecular Science**

**BSc in Biological Sciences  
Diploma of Higher Education in Biological Sciences**

**Certificate of Higher Education in Biological Sciences**

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.22.1 All students are normally admitted in the first instance as potential Honours students. Transfer between the courses is possible prior to the third year of study, subject to satisfying the appropriate course requirements.

Mode of Study

11.22.2The courses are available by full-time and part-time study.

Curriculum (Full-time study)

First Year

11.22.3 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 101 Foundation Bioscience and Statistics 1 20

BM 102 Molecular Bioscience 1 20

BM 103 Biology of Organisms 1 20

BM 104 Practical Bioscience and Skills Development 1 1 20

CH 105 Chemistry for Bioscience 1 20

Elective Class(es) 20

Second Year

11.22.4 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 201 Introduction to Infection and Immunity 2 20

BM 202 Nutritional Biochemistry and Metabolism 2 20

BM 203 Cell and Molecular Biology 2 20

BM 204 Practical Bioscience and Skills Development 2 2 20

BM 205 Human Physiology 2 20

CH 201 Bio-organic Chemistry 2 20

Third Year

11.22.5 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

BM 310 Laboratory Methods and Skills Development 3 40

together with classes appropriate to the chosen course:

*Biochemistry and Immunology*

Compulsory Classes

BM 301 Fundamental Immunology 3 20

BM 302 Intermediate Immunology 3 20

BM 305 Clinical Biochemistry and Molecular Genetics 3 20

BM 306 Proteins and Enzymes 3 20

*Biochemistry and Microbiology*

Compulsory Classes

BM 303 Fundamental Microbiology 3 20

BM 304 Intermediate Microbiology 3 20

BM 305 Clinical Biochemistry and Molecular Genetics 3 20

BM 306 Proteins and Enzymes 3 20

*Biochemistry and Pharmacology*

Compulsory Classes

BM 305 Clinical Biochemistry and Molecular Genetics 3 20

BM 306 Proteins and Enzymes 3 20

BM 307 Fundamentals of Pharmacology 3 20

BM 308 Drugs and Disease 1 3 20

*Biological Sciences*

Optional Classes

80 credits chosen from the classes listed in this Regulation.

*Biomedical Science*

Compulsory Classes

BM 301 Fundamental Immunology 3 20

BM 303 Fundamental Microbiology 3 20

BM 305 Clinical Biochemistry & Molecular Genetics 3 20

BM 309 Haematology, Immunohaematology and  
 Immunodiagnostics 3 20

*Immunology and Microbiology*

Compulsory Classes

BM 301 Fundamental Immunology 3 20

BM 302 Intermediate Immunology 3 20

BM 303 Fundamental Microbiology 3 20

BM 304 Intermediate Microbiology 3 20

*Immunology and Pharmacology*

Compulsory Classes

BM 301 Fundamental Immunology 3 20

BM 302 Intermediate Immunology 3 20

BM 307 Fundamentals of Pharmacology 3 20

BM 308 Drugs and Disease 1 3 20

Fourth Year

11.22.6 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class\* Level Credits

BM 499 Composite Mark for Honours Curriculum 4 120

*BM 499* comprises

Compulsory Class

BM 401 Research in Biomedical Sciences 4 40

together with classes appropriate to the chosen course:

*Biochemistry and Immunology*

Compulsory Classes

BM 402 Honours Immunology 1 4 20

BM 403 Honours Immunology 2 4 20

BM 406 Honours Biochemistry 1 4 20

BM 407 Honours Biochemistry 2 4 20

*Biochemistry and Microbiology*

Compulsory Classes

BM 404 Honours Microbiology 1 4 20

BM 405 Honours Microbiology 2 4 2

BM 406 Honours Biochemistry 1 4 20

BM 407 Honours Biochemistry 2 4 20

*Biochemistry and Pharmacology*

Compulsory Classes

BM 406 Honours Biochemistry 1 4 20

BM 407 Honours Biochemistry 2 4 20

BM 408 Honours Pharmacology 1 4 20

BM 409 Honours Pharmacology 2 4 20

*Biomedical Science*

Compulsory Class

BM 403 Honours Immunology 2 4 20

BM 404 Honours Microbiology 1 4 20

BM 407 Honours Biochemistry 2 4 20

BM 410 Molecular and Cellular Pathology 4 20

*Immunology and Microbiology*

Compulsory Classes

BM 402 Honours Immunology 1 4 20

BM 403 Honours Immunology 2 4 20

BM 404 Honours Microbiology 1 4 20

BM 405 Honours Microbiology 2 4 20

*Immunology and Pharmacology*

Compulsory Classes

BM 402 Honours Immunology 1 4 20

BM 403 Honours Immunology 2 4 20

BM 408 Honours Pharmacology 1 4 20

BM 409 Honours Pharmacology 2 4 20

Curriculum (Part-time study)

11.22.7 In each academic year, a student studying on a part-time basis shall normally undertake a curriculum of no fewer than 60 credits chosen from the appropriate full-time curriculum.

Progress (Full-time study)

11.22.8 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum including no fewer than 80 credits from the first year compulsory classes.

11.22.9 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum includingno fewer than 100 credits from the second year compulsory classes in the chosen course.

11.22.10 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including no fewer than 100 credits from the third year compulsory classes in the chosen course.

Progress (Part-time study)

11.22.11 In order to progress to the next full-time equivalent year of the course, a part-time student must normally satisfy the appropriate progress requirements for full-time study.

11.22.12 In any one academic year, a part-time student shall not normally carry more than 20 outstanding credits from one academic year to the next.

Final Assessment and Honours Classification

11.22.13 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *BM 499*.

11.22.14 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes in the third and fourth years.

Award

11.22.15 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in the chosen course, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.22.16 **BSc:** In order to qualify for the award of the BSc in Biological Sciences, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.22.17 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Biological Sciences, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.22.18 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Biological Sciences, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.22.19

to 11.22.50 (Numbers not used)

**Biomedical Sciences (Course with effect from 2016/17)**

**BSc with Honours in Biochemistry and Immunology**

**BSc with Honours in Biochemistry and Microbiology**

**BSc with Honours in Biochemistry and Pharmacology**

**BSc with Honours in Immunology and Microbiology**

**BSc with Honours in Immunology and Pharmacology**

**BSc with Honours in Microbiology and Pharmacology**

**BSc with Honours in Biomedical Science**

**BSc with Honours in Pharmacology**

**BSc with Honours in Immunology**

**BSc with Honours in Biochemistry**

**BSc with Honours in Microbiology**

**BSc with Honours in Biomolecular Science**

**BSc in Biological Sciences  
Diploma of Higher Education in Biological Sciences**

**Certificate of Higher Education in Biological Sciences**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 11.1]

11.22.51 **Status of the Courses**

All students are normally admitted in the first instance as potential Honours students. Transfer between the courses is possible prior to the third, fourth and fifth year of subject to satisfying the appropriate course requirements.

11.22.52 **Mode of Study**

The courses are available by full-time and part-time study.

11.22.53 **Curriculum (Full-time study)**

**First Year**

All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM110 Being a Biomolecular Scientist 1 1 40

BM109 Foundation Biomolecular Sciences:

Cells and their Molecules 1 20

CH112 Bio-Organic Chemistry 1 20

BM108 Foundation Biomolecular Science 2:

Organisms and Disease 1 20

Elective (Classes) 1 20

11.22.54 **Second Year**

All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM214 Being a Biomolecular Scientist 2 2 40

BM212 Introduction to Immunology 2 20

BM210 Introduction to Biochemistry 2 20

BM213 Introduction to Pharmacology 2 20

BM211 Introduction to Microbiology 2 20

11.22.55 **Third Year**

11.22.5 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

BM327 Being a Biomolecular Scientist 3 3 40

together with classes appropriate to the chosen course:

*Biochemistry and Immunology*

Compulsory Classes

BM325 Fundamental Immunology 3 20

BM323 Biomedical Immunology 3 20

BM326 Fundamental Biochemistry 3 20

BM321 Biomedical Biochemistry 3 20

*Biochemistry and Microbiology*

Compulsory Classes

BM330 Fundamental Microbiology 3 20

BM329 Biomedical Microbiology 3 20

BM326 Fundamental Biochemistry 3 20

BM321 Biomedical Biochemistry 3 20

*Biochemistry and Pharmacology*

Compulsory Classes

BM324 Fundamental Pharmacology 3 20

BM322 Biomedical Pharmacology 3 20

BM326 Fundamental Biochemistry 3 20

BM321 Biomedical Biochemistry 3 20

*Microbiology and Pharmacology*

Compulsory Classes

BM324 Fundamental Pharmacology 3 20

BM322 Biomedical Pharmacology 3 20

BM330 Fundamental Microbiology 3 20

BM329 Biomedical Microbiology 3 20

*Biological Sciences and Biomolecular Sciences*

Optional Classes  
80 credits chosen from the classes listed in this Regulation.

*Biomedical Science*

Compulsory Classes

BM329 Biomedical Microbiology 3 20

BM325 Fundamental Immunology 3 20

BM321 Biomedical Biochemistry 3 20

BM328 Fundamental Biomedical Science:

Haematology and Immunodiagnostics 3 20

*Immunology and Microbiology*

Compulsory Classes

BM325 Fundamental Immunology 3 20

BM323 Biomedical Immunology 3 20

BM330 Fundamental Microbiology 3 20

BM329 Biomedical Microbiology 3 20

*Immunology and Pharmacology*

Compulsory Classes  
BM325 Fundamental Immunology 3 20

BM323 Biomedical Immunology 3 20

BM324 Fundamental Pharmacology 3 20

BM322 Biomedical Pharmacology 3 20

*Pharmacology*

Compulsory Classes

BM324 Fundamental Pharmacology 3 20

BM322 Biomedical Pharmacology 3 20

Optional Classes  
40 credits chosen from the classes listed in this Regulation

*Immunology*

Compulsory Classes  
BM325 Fundamental Immunology 3 20

BM323 Biomedical Immunology 3 20

Optional Classes  
40 credits chosen from the classes listed in this Regulation

*Biochemistry*Compulsory Classes  
BM326 Fundamental Biochemistry 3 20

BM321 Biomedical Biochemistry 3 20

Optional Classes  
40 credits chosen from the classes listed in this Regulation

*Microbiology*

Compulsory Classes  
BM330 Fundamental Microbiology 3 20

BM329 Biomedical Microbiology 3 20

Optional Classes  
40 credits chosen from the classes listed in this Regulation

11.22.56 **Fourth Year**

All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class\*  
BM 499 Composite Mark for Honours Curriculum

*BM 499* comprises  
Compulsory Class  
BM432 Being a Biomolecular Scientist 4 (40 credits) together with classes appropriate to the chosen course:

*Biochemistry and Immunology*

Compulsory Classes

BM427 Advanced Immunology 4 20

BM430 Advanced Biochemistry 4 20

20 credits from the following classes

BM426 Clinical Immunology 4 20

BM433 Applied Immunology 4 20

Plus 20 credits from the following classes

BM423 Clinical Biochemistry 4 20

BM431 Applied Biochemistry 4 20

*Biochemistry and Microbiology*

Compulsory Classes

BM425 Advanced Microbiology 4 20

BM430 Advanced Biochemistry 4 20

20 credits from the following classes

BM424 Clinical Microbiology 4 20

BM435 Applied Microbiology 4 20

Plus 20 credits from the following classes

BM423 Clinical Biochemistry 4 20

BM431 Applied Biochemistry 4 20

*Biochemistry and Pharmacology*

Compulsory Classes

BM429 Advanced Pharmacology 4 20

BM430 Advanced Biochemistry 4 20

20 credits from the following classes

BM434 Clinical Pharmacology 4 20

BM428 Applied Pharmacology 4 20

Plus 20 credits from the following classes

BM423 Clinical Biochemistry 4 20

BM431 Applied Biochemistry 4 20

*Microbiology and Pharmacology*

Compulsory Classes

BM429 Advanced Pharmacology 4 20

BM425 Advanced Microbiology 4 20

20 credits from the following classes

BM434 Clinical Pharmacology 4 20

BM428 Applied Pharmacology 4 20

Plus 20 credits from the following classes

BM424 Clinical Microbiology 4 20

BM435 Applied Microbiology 4 20

*Biomedical Science*

Compulsory Class

BM426 Clinical Immunology 4 20

BM423 Clinical Biochemistry 4 20

BM424 Clinical Microbiology 4 20

BM422 Advanced Biomedical Science:

Cellular and Molecular Pathology 4 20

*Immunology and Microbiology*

Compulsory Classes

BM427 Advanced Immunology 4 20

BM425 Advanced Microbiology 4 20

20 credits from the following classes

BM426 Clinical Immunology 4 20

BM433 Applied Immunology 4 20

Plus 20 credits from the following classes

BM424 Clinical Microbiology 4 20

BM435 Applied Microbiology 4 20

*Immunology and Pharmacology*

Compulsory Classes

BM427 Advanced Immunology 4 20

BM429 Advanced Pharmacology 4 20

20 credits from the following classes

BM426 Clinical Immunology 4 20

BM433 Applied Immunology 4 20

Plus 20 credits from the following classes

BM434 Clinical Pharmacology 4 20

BM428 Applied Pharmacology 4 20

*Immunology*

Compulsory Classes

BM427 Advanced Immunology 4 20

BM426 Clinical Immunology 4 20

BM433 Applied Immunology 4 20

Plus 20 credits chosen from the classes listed in this Regulation

*Pharmacology*

BM429 Advanced Pharmacology 4 20

BM434 Clinical Pharmacology 4 20

BM428 Applied Pharmacology 4 20

Plus 20 credits chosen from the classes listed in this Regulation

*Biochemistry*

BM430 Advanced Biochemistry 4 20

BM423 Clinical Biochemistry 4 20

BM431 Applied Biochemistry 4 20

Plus 20 credits chosen from the classes listed in this Regulation

*Microbiology*

BM425 Advanced Microbiology 4 20

BM424 Clinical Microbiology 4 20

BM435 Applied Microbiology 4 20

Plus 20 credits chosen from the classes listed in this Regulation

*Biomolecular Sciences*

Optional Classes  
80 credits chosen from the classes listed in this Regulation

11.22.57 **Curriculum (Part-time study)**

In each academic year, a student studying on a part-time basis shall normally undertake a curriculum of no fewer than 60 credits chosen from the appropriate full-time curriculum.

11.22.58 **Progress (Full-time study)**

In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum including no fewer than 80 credits from the first year compulsory classes.  
In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including no fewer than 100 credits from the second year compulsory classes in the chosen course.

In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including no fewer than 120 credits from the third year compulsory classes in the chosen course.

11.22.59 **Progress (Part-time study)**

In order to progress to the next full-time equivalent year of the course, a part- time student must normally satisfy the appropriate progress requirements for full-time study.  
In any one academic year, a part-time student shall not normally carry more than 20 outstanding credits from one academic year to the next.

11.22.60 **Final Assessment and Honours Classification**

On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *BM 499*.  
The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes in the third and fourth years.

**Award**

11.22.61 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in the chosen course, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.22.62 **BSc:** In order to qualify for the award of the BSc in Biological Sciences, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.22.63 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Biological Sciences, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.22.64 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Biological Sciences, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.22.65 to

11.22.85 (numbers not used)

11.22 Strathclyde Institute of Pharmacy and Biomedical Sciences

Biomedical Sciences

BSc with Honours in Biochemistry and Pharmacology

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.22.86 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.22.87The course is available by full-time study only.

Place of Study

11.22.88Students will study years 1-3 at China Pharmaceutical University (CPU). 25% of each year of study in China will be taught by UoS staff based at CPU. Year 4 will be taught at UoS.

Curriculum (Full-time study)

First Year

11.22.89 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

BM113 CPU Biological Sciences 1 1 120

Second Year

11.22.90 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

BM215 CPU Biological Sciences 2 2 120

Third Year

11.22.91 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM331 CPU Biological Sciences 3 3 120

Fourth Year

11.22.92 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 499 Composite Mark for Honours Curriculum 4 120

*BM 499* comprises  
Compulsory Class  
BM432 Being a Biomolecular Scientist 4 (40 credits) together with classes appropriate to the chosen course:

*Biochemistry and Pharmacology*

Compulsory Classes

BM429 Advanced Pharmacology 4 20

BM430 Advanced Biochemistry 4 20

20 credits from the following classes

BM434 Clinical Pharmacology 4 20

BM428 Applied Pharmacology 4 20

Plus 20 credits from the following classes

BM423 Clinical Biochemistry 4 20

BM431 Applied Biochemistry 4 20

Progress (Full-time study)

11.22.93 In order to progress to the second year of the course, a student must have accumulated 120 credits from the course curriculum.

11.22.94 In order to progress to the third year of the course, a student must have accumulated 240 credits from the course curriculum.

11.22.95 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum.

Final Assessment and Honours Classification

11.22.96 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *BM 499*.

11.22.97 The final Honours classification will be based on the first assessed attempt at compulsory classes in the fourth year.

Award

11.22.98 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in the chosen course, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.22.99 **BSc:** In order to qualify for the award of the BSc in Biological Sciences, a candidate must be in attendance at the University of Strathclyde and have accumulated no fewer than 360 credits from the course curriculum.

11.22.100 to

11.22.120 (numbers not used)

Pharmaceutical Sciences

BSc with Honours in Pharmaceutical Sciences

BSc in Pharmaceutical Sciences

Diploma of Higher Education in Pharmaceutical Sciences

Certificate of Higher Education in Pharmaceutical Sciences

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.22.121 All students are normally admitted in the first instance to the MPharm course (See Regulation 12.16). Exceptionally, students may be admitted to the first year of the BSc with Honours in Pharmaceutical Sciences.

Mode of Study

11.22.122 The courses are normally available by full-time study only.

Curriculum

First Year

11.22.123 All students shall undertake classes amounting to 120 credits as follows:

Level Credits

Elective Class(es) 20

Optional Classes

100 credits chosen from:

13 163 Foundation Chemistry for Pharmacists 1 20

MM 110 Mathematics 1P 1 10

MP 100 Foundation Pharmacy 1 20

MP 101 Human Physiology 1 2 20

MP 102 Bioscience for Pharmacists 1 20

MP 103 Biopharmacy 1 1 20

MP 104 Human Physiology 2 2 20

Such other classes as may be approved by the Course Director.

Second Year

11.22.124 All students shall undertake classes amounting to 120 credits chosen from:

Optional Classes Level Credits

MM 210 Statistics 1P 2 10

MP 200 Physical Pharmacy 2 20

MP 201 Health Promotion 2 20

MP 202 Pharmaceutical Microbiology 2 20

MP 204 Biopharmacy 2 2 20

MP 308 Fundamentals of Pharmacology 3 20

MP 309 Drugs and Disease 1 3 20

MP 310 Pharmacy Practice 1 3 20

Such other classes as may be approved by the Course Director.

Third Year

11.22.125 All students shall undertake classes amounting to 120 credits chosen from:

Optional Classes Level Credits

BM 311 Practical Bioscience and Skills Development 3 3 20

MP 300 Pharmacy Practice 2 3 20

MP 301 Biopharmacy 3 3 20

MP 305 Biopharmacy 4 3 20

MP 408 Formulation, Manufacturing and Testing 1 4 20

MP 409 Formulation, Manufacturing and Testing 2 4 20

MP 410 Drugs and Disease 2 4 10

MP 411 Drugs and Disease 3 4 20

MP 510 Pharmacy Practice 3 5 20

Such other classes as may be approved by the Course Director.

Fourth Year

11.22.126 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 401 Research in Biomedical Sciences 4 40

BM 408 Honours Pharmacology 1 4 20

MP 406 Advanced Drug Discovery 4 10

MP 424 Bench to Bedside 4 40

Optional Classes

Such classes as may be approved by the Course Director.

Progress

11.22.127 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.22.128 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including 100 credits at Level 2 or above.

11.22.129 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 100 credits at Level 3 or above.

Final Classification

11.22.130 The final classification for the degree of BSc with Honours in Pharmaceutical Scienceswill normally be based on the first assessed attempt at compulsory and specified optional classes at levels three and four.

Award

11.22.131 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Pharmaceutical Sciences, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100 credits at Level 4 or above.

11.22.132 **BSc:** In order to qualify for the award of the degree of BSc in Pharmaceutical Sciences, a candidate must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100 credits at Level 3 or above.

11.22.133 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Pharmaceutical Sciences, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.22.134 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Pharmaceutical Sciences, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.22.135

to 11.22.136 (Numbers not used)

Pharmacology with Industrial Placement

BSc with Honours in Pharmacology with Industrial Placement

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Course

11.22.137 The course is offered at Honours level only.

Mode of Study

11.22.138 The course is available by full-time study only.

Place of Study

11.22.139 As permitted by Regulation 11.1.7, the course involves study outwith the campus.

Curriculum

First Year

11.22.140 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

13 163 Foundation Chemistry for Pharmacists 1 20

BM 101 Foundation Bioscience and Statistics 1 20

BM 102 Molecular Bioscience 1 20

BM 105 Practical Pharmacology and Skills Development 1 20

BM 205 Human Physiology 2 20

Elective Class(es) 20

Second Year

11.22.141 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 202 Nutritional Biochemistry and Metabolism 2 20

BM 203 Cell and Molecular Biology 2 20

BM 307 Fundamentals of Pharmacology 3 20

BM 308 Drugs and Disease I 3 20

BM 311 Laboratory Methods and Skills Development 3 20

MP 204 Biopharmacy 2 2 20

Third Year

11.22.142 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 306 Proteins and Enzymes 3 20

BM 316 Industrial Placement Report and Skills

Development 3 80

MP 301 Biopharmacy 3 3 20

Fourth Year

11.22.143 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

BM 499 Composite Mark for Honours Curriculum 4 120

\**BM 499* comprises

Compulsory Classes

BM 401 Research in Biomedical Sciences 4 40

BM 408 Honours Pharmacology 1 4 20

BM 409 Honours Pharmacology 2 4 20

BM 415 Pharmacokinetics & Drug Metabolism 4 20

MP 407 Drug Discovery & Development 4 20

Progress

11.22.144 In order to progress to the second year of the course, a student must have accumulated at least 110 credits from the course curriculum including all the first year compulsory classes.

11.22.145 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including no fewer than 100 credits from the second year compulsory classes. These must include the credits for the class *BM 307 Fundamentals of Pharmacology.*

11.22.146 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including all the third year compulsory classes.

Final Assessment and Classification

11.22.147 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under class code *BM 499*

11.22.148 The final Honours classification will normally be based on the first assessed attempt at compulsory Level 3 and Level 4 classes.

Award

11.22.149 **BSc with Honours:** In order to qualify for the award of the degree of BSc in Honours in Pharmacology with Industrial Placement, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

Transfer

11.22.150 A candidate who fails to meet the requirements for progress or award of the BSc with Honours in Pharmacology with Industrial Placement may apply for transfer to the BSc with Honours in Natural Sciences.

11.22.151

to 11.22.152 (Numbers not used)

11.29 Faculties of Science and Humanities and Social Sciences: Joint Courses

Chemistry

**BSc with Honours in Chemistry with Teaching**

BSc in Chemistry with Teaching

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Degree

11.29.1 All students will normally have been admitted in the first instance to the MChem in Chemistry with Teaching.

Mode of Study

11.29.2 The course is available by both full-time and part-time study.

Place of Study

11.29.3 The School Experience classes will involve placements in schools.

Curriculum (Full-time study)

First Year

11.29.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry: Principles and Practice 2 1 20

CH 108 Practical and Transferable Skills 1 20

MM 116 Mathematics 1C 1 20

Optional Classes

Either

PH 151 Mechanics, Optics and Waves\* 1 20

or

BM 109 Cells and Their Molecules 1 20

\*Or other approved classes in Physics

Elective Class(es) 20

Second Year

11.29.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 202 Inorganic Chemistry 2 20

CH 205 Practical Physical and Applied Chemistry 2 20

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physical Chemistry I 2 20

CH 213 Forensic Trace Analysis and Analytical Chemistry 2 20

CH 214 Practical Organic and Inorganic Chemistry 2 20

Third Year

11.29.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 309 Physical Chemistry 2 3 20

CH 313 Practical Physical, Applied, Forensic & Analytical

Chemistry 3 20

CH 315 Practical Organic and Inorganic Chemistry 3 20

CH 325 Intermediate Organic Chemistry and Spectroscopy 3 20

CH 326 Inorganic Chemistry, Structures and Spectroscopy3 20

Optional Classes

20 credits chosen from:

CH 316 Analytical Chemistry and Drugs of Abuse 3 20

or

CH 323 Chemical Biology 3 20

Students can only choose CH 323 if they already have BM 109 Cells and their Molecules.

**Fourth Year**

11.29.7 All students shall normally undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

CH 458 Distance Learning Assignment 4 20

X3 401 Professional Specialisation 1 4 10

X3 402 Educational Perspectives and Policy 1 4 20

X3 403 Creative Contexts for Learning Chemistry

With Science 1 4 40

X3 404 Placement Learning 4 40

X3 405 Principles and Policy in Practice 1 4 10

**Curriculum (Part-time study)**

* + 1. Students studying on a part-time basis will normally take classes amounting

to 60 credits in each year.

Progress

11.29.9 In order to progress to the second year of the course a student must have accumulated at least 100 credits from the course curriculum including those for the classes *CH 106 Chemistry: Principles and Practice 1, CH 107 Chemistry: Principles and Practice 2, CH 108 Practical and Transferable Skills and MM 116 Mathematics C.*

11.29.10 In order to progress to the third year of the course, a student must have accumulated at least 240 credits including 120 Level 2 credits from Chemistry classes in the second year curriculum.

11.29.11 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum including at least 60 Level 3 credits from third year Chemistry classes.

Award

11.29.12 BSc with Honours: In order to qualify for the award of the degree of BSc with Honours in Chemistry with Teaching, a candidate must have accumulated no fewer than 500 credits from the course curriculum including the credits for all the compulsory Education classes taken individually.

11.29.13 **BSc**: In order to qualify for the award of the degree of BSc in Chemistry with Teaching, a candidate must have accumulated no fewer than 480 credits from the course curriculum including the credits for all the compulsory Education classes taken individually.

Transfer

11.29.14 A candidate who fails to satisfy the progress or award requirements for the degree of BSc with Honours in Chemistry with Teaching or the BSc in Chemistry with Teaching may be transferred to the degree of BSc in Chemistry.

11.29.15

to 11.29.20 (Numbers not used)

Mathematics with Teaching

BSc with Honours in Mathematics with Teaching

BSc in Mathematics with Teaching

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.29.21 The courses are offered at degree level only as four year courses. All students are admitted in the first instance as Honours students*.* Transfer to the BSc in Mathematicsis possible at any time subject to satisfying the appropriate progress regulations.

Mode of Study

11.29.22 The courses are available by full-time and (during years 1 and 2) part-time study.

Place of Study

11.29.23 The School Experience classes will involve placements in schools.

Curriculum (Full-time study)

*The first and second year curricula are the same as that for the BSc with Honours in Mathematics.*

First Year

11.29.24 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

MM 108 Applying Mathematics 1 1 10

MM 109 Applying Mathematics 2 1 10

Elective Class(es) 20

Second Year

11.29.25 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 203 Applicable Analysis 2 20

MM 204 Probability and Statistical Inference 2 20

MM 205 Introduction to Newtonian Mechanics 2 20

MM 206 Mathematical and Statistical Computing 2 20

Third Year

11.29.26 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 301 Linear Algebra 3 20

MM 302 Differential Equations 3 20

X3466 Creative Contexts for Learning Mathematics 1A 4 20

X3470 Placement Learning 1 4 20

X3402 Educational Perspectives and Policies 4 20

Optional Classes

No fewer than 20 credits chosen from the following list or another class approved by the Course Director.

MM 300 Complex Variables and Integral Transforms 3 20

MM 303 Applicable Analysis 2 3 20

MM 304 Inference and Regression Modelling 3 20

MM 305 Mechanics of Rigid Bodies and Fluids 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

Note that Education classes may run before the start of Semester 1, during the January Consolidation and Development week and after the Semester 2 exams.

Fourth Year

11.29.27 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 440 Mathematics with Teaching\* 4 40

X3467 Creative Contexts for Learning Mathematics 1B 4 20

X3471 Placement Learning 2 4 20

X3401 Professional Specialisation 1 4 10

X3405 Principles and Policy in Practice 1 4 10

X3402 Educational Perspectives and Policies 4 20

Note that Education classes may run before the start of Semester 1 and during the January Consolidation and Development week.

\* *MM 440 Mathematics with Teaching* comprises 40 credits of classes chosen from the list below:

Optional Classes \*\* Level Credits

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 403 Applicable Analysis 3 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 407 Applied Statistics in Society 4 20

MM 408 Mathematical Biology and Marine Population 4 20

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

|  |  |  |  |
| --- | --- | --- | --- |
| MM 415 | Medical Statistics | 4 | 20 |

\*\* Not all of these classes will be available every year.

Curriculum (Part-time study Years 1 & 2)

11.29.28 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

11.29.29 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum, including those for the classes *MM 101 Introduction to Calculus* and *MM 102 Applications of Calculus.*

11.29.30 In order to progress to the third year of the course, a student must satisfy the requirements for entering Initial Teacher Education, and have accumulated at least 220 credits from the course curriculum including those for the classes *MM 201 Linear Algebra and Differential Equations* and *MM 202 Advanced Calculus.*

11.29.31 In order to progress to the fourth year of the course, a student must normally have accumulated at least 360 credits from the course curriculum.

Progress (Part-time Study Years 1 and 2 only)

11.29.32 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits.

Final Assessment and Classification

11.29.33 The final classification for the degree of BSc with Honours in Mathematics with Teachingwill normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 3 and 4 taken in the third and fourth years.

Award

11.29.34 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Mathematics with Teaching*,* a candidate must have accumulated no fewer than 480 credits from the course curriculum including thecredits for all the compulsory Education classes taken individually.

11.29.35 **BSc:** In order to qualify for the award of the degree of BSc in Mathematics with Teaching, a candidate must have accumulated no fewer than 440 credits from the course curriculum including thecredits for all the compulsory Education classes taken individually.

11.29.36 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inMathematical Studies*,* a candidate must have accumulated no fewer than 240 credits from the course curriculum

11.29.37 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mathematical Studies*,* a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.29.38

to 11.29.40 (Numbers not used)

Physics with Teaching

BSc with Honours in Physics with Teaching

BSc in Physics with Teaching

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.29.41 The courses are offered at Degree level only as four year (full-time) courses. All students are admitted in the first instance as Honours students. Transfer to the degree of BSc in Physics is possible at any time, subject to satisfying the appropriate progress regulations.

Mode of Study

11.29.42 The courses are available by both full-time and part-time study.

Place of Study

11.29.43 The School Experience classes will involve placements in schools.

Curriculum (Full-time study)

*The first and second year curricula are the same as that for the first and second years of the BSc in Physics.*

First Year

11.29.44 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 150 Experimental Physics 1 20

PH 151 Mechanics, Optics and Waves 1 20

PH 152 Quantum Physics and Electromagnetism 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class(es) 20

Second Year

11.29.45 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 211 Mathematics 3B 2 20

PH 250 Experimental Physics 2 20

PH 251 Mechanics, Optics and Waves 2 20

PH 252 Quantum Physics and Electromagnetism 2 20

PH 254 Computational Physics 2 20

PH 258 Condensed Matter Physics 2 10

PH 259 Gases and Liquids 2 10

A student with a pass in a class may substitute another class with the approval of the Adviser of Study.

Third Year

11.29.46 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 352 Quantum Physics and Electromagnetism 3 20

PH 358 Condensed Matter Physics 3 10

PH 359 Statistical Physics 3 10

PH 360 Practical Physics 3 20

X3 402 Educational Perspectives and Policies 1 4 20

X3 468 Creative Contexts For Learning Physics 1A 4 20

X3 470 Placement Learning 1 4 20

A student with a pass in a class may substitute another class with the approval of the Adviser of Study

Fourth Year

11.29.47 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 460 Physics for Teaching\* 4 40

X3 402 Educational Perspectives and Policies 1 4 20

X3 469 Creative Contexts For Learning Physics 1B 4 20

X3 471 Placement Learning 2 4 20

X3 401 Profesional Specialisation 1 4 10

X3 405 Principles and Policy in Practice 1 4 10

Optional Classes

\*Physics for Teaching comprises

Either

PH 450 Project 4 40

Or

PH 461 Physics with Teaching Project 4 20

And 20 credits chosen from the optional Level 4 classes listed in Regulation 11.17.6 or as approved by the Course Director.

Curriculum (Part-time study)

11.29.48 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress (Full-time study)

11.29.49 In order to progress to the third year of the course, a student must satisfy the requirements for entering Initial Teacher Education and have accumulated at least 220 credits from the course curriculum.

11.29.50 In order to progress to the fourth year of the Honours course, a student must normally have accumulated at least 360 credits from the course curriculum including 60 credits at Level 3 or above.

Progress (Part-time study)

11.29.51 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120credits.

Final Honours Classification

11.29.52 The final Honours classification will normally be based on the first assessed attempt at compulsory and optional Level 3 and Level 4classes.

Award

11.29.53 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours inPhysics with Teaching a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include

(i) the credits for all the compulsory Level 4 Education classes taken individually;

(ii) no fewer than 200 credits at Levels 3 and 4 with at least 160 credits at Level 4.

11.29.54 **BSc:** In order to qualify for the award of the degree of BSc in Physics with Teaching a candidate must have accumulated no fewer than 440 credits from the course curriculum including the credits for all the compulsory Level 4 Education classes.

11.29.55 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inPhysics, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.29.56 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Physics, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.29.57 A candidate who fails to satisfy the progress or award requirement for the degree of BSc with Honours in Physics with Teaching or the BSc in Physics with Teaching may be transferred to the degree of BSc in Physics.

11.29.58

to 11.29.60 (Numbers not used)

Bioscience with Teaching

BSc with Honours in Bioscience with Teaching

BSc in Bioscience with Teaching

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.29.61 The courses are offered at degree level only, as four year (full-time) courses. All students are admitted in the first instance as Honours students. Transfer to a BSc degree in Biological Sciences or in Biomedical Sciences is possible at any time, subject to satisfying the appropriate progress regulations.

Mode of Study

11.29.62 The courses are available by full-time study only.

Place of Study

11.29.63 The School Experience classes will involve placements in schools.

Curriculum

First Year

11.29.64 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 101 Foundation Bioscience and Statistics 1 20

BM 102 Molecular Bioscience 1 20

BM 103 Biology of Organisms 1 20

BM 104 Practical Bioscience and Skills Development 1 1 20

CH 105 Chemistry for Bioscience 1 20

Elective Classes 20

Second Year

11.29.65 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 201 Introduction to Infection and Immunity 2 20

BM 202 Nutritional Biochemistry and Metabolism 2 20

BM 203 Cell and Molecular Biology 2 20

BM 204 Practical Bioscience and Skills Development 2 2 20

BM 205 Human Physiology 2 20

CH 201 Bio-organic Chemistry 2 20

Third Year

11.29.66 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 303 Fundamental Microbiology 3 20

BM 305 Clinical Biochemistry and Molecular Genetics 3 20

BM 306 Proteins and Enzymes 3 20

BM 311 Practical Bioscience and Skills Development 3 3 20

X9 406 Pedagogy and Placement Learning 1\* 4 20

X9 606 Pedagogy and Curriculum Biology with Science 1 4 20

\*Induction Block (10 days), Serial Days (15 days), June Block (10 days)

Note: Education classes start in the last week of August, prior to the normal beginning of year 3.

Fourth Year

11.29.67 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 413 Bioscience 4 40

X9 458 Educational Studies 1 4 20

X9 462 Educational Studies 2 4 20

X9 463 Pedagogy and Placement Learning 2\* 4 20

X9 634 Curriculum and Pedagogy Biology with Science 2 4 20

\* Block Placement 1: Feb/Mar (31 days), Block Placement 2: April/May (17 days)

Note: Education classes start in the first week of October.

Progress

11.29.68 In order to progress to the second year of the course, a student must normally have accumulated at least 100 credits from the course curriculum including no fewer than 80 from the compulsory classes

11.29.69 In order to progress to the third year of the course, a student must satisfy the requirements for entering Initial Teacher Education and have accumulated at least 220 credits from the course curriculum.

11.29.70 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including those for all Education classes in the third year curriculum and at least 60 credits from the compulsory Bioscience classes in the third year curriculum.

Final Honours Classification

11.29.71 The final Honours classification will normally be based on the first assessed attempt at compulsory and optional classes taken in the third and fourth years.

Award

11.29.72 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Bioscience with Teaching, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include

(i) the credits for all the compulsory Level 4 Education classes taken individually;

(ii) no fewer than 180 credits at Level 3 or above of which a minimum of 170 must be at Level 4 or above.

11.29.73 **BSc**: In order to qualify for the award of the degree of BSc in Bioscience with Teaching, a candidate must have accumulated no fewer than 450 credits from the course curriculum including the credits for all the compulsory Education classes taken individually.

Transfer

11.29.74 A candidate who fails to satisfy the progress or award requirements for the degree of BSc with Honours in Bioscience with Teaching or the BSc in Bioscience with Teaching may be transferred to the degree of BSc in Biological Science subject to satisfying the appropriate progress regulations.

11.30 Faculties of Science and Engineering: Joint Courses

Computer and Electronic Systems

BEng with Honours in Computer and Electronic Systems

BEng in Computer and Electronic Systems

Diploma of Higher Education in Computer and Electronic Systems

Certificate of Higher Education in Computer and Electronic Systems

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.30.1 All students are normally admitted in the first instance as potential Honours students. Transfer to the MEng degree in Computer and Electronic Systems is possible prior to the fourth year of study subject to satisfying the appropriate progress regulations.

Mode of Study

11.30.2The courses are available by full-time study only.

Curriculum

First Year

11.30.3 All students shall undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

56 110 Engineering Industry and Profession 1 10

CS 103 Machines, Languages and Computation 1 20

CS 105 Programming Foundations 1 20

CS 107 Fundamentals of Computer Systems 1 10

EE 105 Electronic and Electrical Techniques and

Design 1 1 20

EE 107 Electronic and Electrical Principles 1 1 20

MM 113 Engineering Mathematics 1E 1 20

MM 114 Engineering Mathematics 2E 1 20

Second Year

11.30.4 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

56 213 Engineering Design and Manufacture 2 10

CS 207 Advanced Programming 2 20

CS 210 Computer Systems and Architecture 2 20

EE 269 Electronic and Electrical Principles 2 2 20

EE 270 Digital Electronic Systems 2 20

MM 213 Engineering Mathematics 3E 2 20

Optional Classes

20 credits chosen from:

CS 208 Logic and Algorithms 2 20

PH260 Physical Electronics 2 10

19207 Electromagnetism 2 10

Third Year

11.30.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

CS 313 Computer Systems and Concurrency 3 20

EE 320 Signals and Communication Systems 3 20

56 324 Engineering Innovation and Management 3 10

CX 318 Computer and Electronic Systems Project 3 10

Elective Class(es) 20

Optional Classes

20 credits chosen from:

CS 310 Foundations of Artificial Intelligence 3 20

CS 311 Programming Language Definition &

Implementation 3 20

EE 312 Instrumentation and Microcontrollers 3 20

EE 315 Analogue and Digital System Design 3 20

EE 313 Engineering Analysis 3 20

Fourth Year

11.30.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

EE 475 CES Individual Project 4 40

80 credits chosen from Regulation 11.30.7.

11.30.7 Optional Classes

CS 409 Software Architecture and Design 4 20

CS 411 Theory of Computation 4 20

CS 413 Embedded Systems 4 20

CS 414 Digital Forensics 4 20

EE 468 Analogue Systems 4 20

EE 469 DSP Principles 4 20

EE 470 Information Transmission & Security 4 20

EE 471 Communications Networks 4 20

EE 472 Control Principles 4 20

EE 473 Photonic Systems 4 20

Such other classes offered by the Department of Computer and Information Sciences, the Department of Electronic and Electrical Engineering, or both, and totalling no more than 20 credits as may be approved by the Course Director.

Progress

11.30.8 In order to progress to the second year of the course, a student must have accumulated no fewer than 120 credits from the course curriculum.

11.30.9 In order to progress to the third year of the BEng with Honours degree, a student must have accumulated no fewer than 250 credits from the course curriculum.

11.30.10 In order to progress to the third year of the BEng degree, a student must have accumulated no fewer than 240 credits from the course curriculum.

11.30.11 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 390 credits from the course curriculum.

Final Honours Classification

11.30.12 The final Honours classification will normally be based on the first assessed attempt at all classes at Levels three and four.

Award

11.30.13 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Computer and Electronic Systems, a candidate must have accumulated no fewer than 510 credits from the course curriculum. These must include those for the class *EE 475* *Individual CES Project*.

11.30.14 **BEng**: In order to qualify for the award of the degree of BEng in Computer and Electronic Systems, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.30.15 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Computer and Electronic Systems, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.30.16 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Computer and Electronic Systems, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.31

to 11.39 (Numbers not used)

Faculty of Engineering

11.40 Faculty Courses

Engineering Studies

BEng in Engineering Studies

Diploma of Higher Education in Engineering Studies

Certificate of Higher Education in Engineering Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.40.1 The courses are offered to BEng degree level only. All students are normally admitted in the first instance as potential Honours students on another degree course within the Faculty of Engineering. Transfer to the BEng in Engineering Studies is possible at any time.

Mode of Study

11.40.2 The courses are available by full-time and part-time study.

Curriculum (Full-time study)

First Year

11.40.3 All students shall undertake classes amounting to 120 credits as follows:

Optional Classes Level Credits

Engineering Classes 1 100

Elective Class(es) 20

Second Year

11.40.4 All students shall undertake classes amounting to 120 credits as follows:

Optional Classes Level Credits

Engineering Classes 2 60

Engineering Classes 1 or 2 40

Elective Class(es) 20

Third Year

11.40.5 All students shall undertake classes amounting to 120 credits as follows:

Optional Classes Level Credits

Engineering Classes 3 60

Engineering Classes 2 or 3 40

Elective Class(es) 20

Curriculum (Part-time study)

11.40.6 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress (Full-time study)

11.40.7In order to progress to the second year of the course, a student must have achieved 100 credits from the course curriculum.

11.40.8In order to progress to the third year of the course, a student must normally have accumulated at least 220 credits from the course curriculum.

Progress (Part-time study)

11.40.9 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits.

Award

11.40.10 **BEng:** In order to qualify for the award of the degree of BEng in Engineering Studies, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.40.11 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Engineering Studies, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.40.12 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of higher education, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.41 Department of Architecture

Architectural Studies

BSc with Honours in Architectural Studies

BSc with Honours in Architectural Studies with International Study

BSc in Architectural Studies

BSc in Architectural Studies with International Study

Diploma of Higher Education in Architectural Studies

Certificate of Higher Education in Architectural Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.41.1 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.41.2 The courses are available by full-time study only.

Place of Study

11.41.3 The BSc in Architectural Studies with International Study requires study at an approved institution abroad.

Assessment

11.41.4 In addition to the requirements of Regulation 11.1.27, in years 1, 2 and 3, a portfolio review may contribute to the assessment of Architecture classes.

Curriculum

First Year

11.41.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 106 Design Studies 1A 1 20

AB 107 Design Studies 1B 1 20

AB 108 Design Studies 1C 1 20

AB 109 Design Studies 1D 1 20

AB 110 Cultural Studies 1 1 20

AB 111 Technology Studies 1 1 20

Second Year

11.41.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 208 Design Studies 2A 2 20

AB 209 Design Studies 2B 2 20

AB 210 Design Studies 2C 2 20

AB 211 Cultural Studies 2 2 20

AB 212 Technology Studies 2 2 20

Elective Class(es) 20

Third Year

11.41.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 317 Design Studies 3A 3 20

AB 318 Design Studies 3B 3 40

AB 314 Cultural Studies 3 3 20

AB 315 Introduction to Practice 3 20

AB 316 Technology Studies 3 3 20

*Architectural Studies with International Study*

All students will be required to undertake a period of study abroad at an approved institution and shall follow an approved curriculum of at least 40 credits which shall normally include the equivalent of the following class:

AB 318 Design Studies 3B 3 40

Intercalated Year

11.41.8 Following successful completion of the third year, students are normally required, as part of professional accreditation, to undertake a year in Professional Practice before proceeding to fourth year.

Fourth Year

11.41.9 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 418 Design Studies 4A 4 20

AB 419 Design Studies 4B 4 40

AB 420 Cultural Studies 4 4 40

AB 421 Special Study Project 4 20

Progress

11.41.10 In order to progress to the second year of the chosen course, a student must have accumulated at least 120 credits from the course curriculum.

11.41.11 In order to progress to the third year of the Architectural Studies course, a student must have accumulated at least 220 credits from the course curriculum including those for all second year compulsory classes.

11.41.12 In order to progress to the fourth year of the chosen course, a student must have accumulated at least 360 credits from the course curriculum.

A student on the Architectural Studies with International Study course must have satisfactorily completed at least one semester at an approved institution abroad.

Final Honours Classification

11.41.13 The final Honours classification will normally be based on the first assessed attempt at compulsory classes which are taken in the fourth year.

Award

11.41.14 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in the chosen course, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.41.15 **BSc**: In order to qualify for the award of the degree of BSc in the chosen course, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.41.16 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Architectural Studies, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.41.17 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Architectural Studies, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.41.18 A candidate who fails to satisfy the progress or award requirements for the BSc in Architectural Studies or Architectural Studies with International Study may be transferred to the degree of BEng in Engineering Studies.

11.41.19 to (Number not used)

11.41.100

11.42 Department of Biomedical Engineering

Biomedical Engineering

BEng with Honours in Biomedical Engineering

**BEng in Biomedical Engineering**

**Diploma of Higher Education in Biomedical Engineering**

**Certificate of Higher Education in Biomedical Engineering**

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.42.1All students are normally admitted in the first instance as potential Honours students. Transfer to the MEng degree course in Biomedical Engineering is possible prior to the fourth year of study subject to satisfying the appropriate progress requirements.

Mode of Study

11.42.2 The courses are available by full-time study only.

Curriculum

First Year

11.42.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE100 Anatomy and Physiology for Biomedical Engineers1 20

BE101 Biomedical Engineering 1 10

BE103 Analytical and Numerical Methods in

Biomedical Engineering 1 20

BE105 Cell Biology 1 1 10

EE107 Electronic and Electrical Principles 1 1 20

EM105 Electrical and Mechanical techniques and design 1 20

ME108 Engineering Analysis and Numerical Methods 1 10

ME109 CAD for Biomedical Engineering 1 10

Second Year

11.42.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE205 Fluid mechanics in Biomedical Engineering 2 10

BE207 Human Cell Biology 2 2 10

BE208 Statics and Dynamics in Biomedical Engineering 2 20

EE269 Electronic and Electrical Principles 2 2 20

EE270 Digital Electronic Systems 2 20

ME209 Mathematical Modelling and Analysis 2 20

ME212 Materials Engineering and Design 2 10

ME214 Mechanical Engineering Design 2 2 10

Third year

11.42.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE302 Practical Biomechanics 3 20

BE300 Biomedical Materials 3 20

BE301 Physiological Systems in Health and Disease 3 20

BM325 Fundamental Immunology 3 20

EE312 Instrumentation and Microcontrollers 3 20

Elective 20

fourth year

11.42.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE406 Biomedical Engineering project 4 40

BE428 Professional Studies and

Research Methods in BME 4 20

BE404 Biomedical Instrumentation 4 10

BE401 Biomedical Electronics 4 10

Optional Classes

40 credits, no more than two 10 credit classes, chosen from

16429 Computer Aided Engineering Design 4 20

BE405 Sports Injury and Rehabilitation 4 20

BE424 Practical Biomechanics 2 4 20

BE425 The Medical Device Regulatory Process 4 10

BE426 Medical Robotics 4 10

BE427 Numerical Modelling in Biomedical Engineering 4 10

EE472 Control Principles 4 20

EE474 Robotics: systems and control 4 20

ME414 Advanced Mechanics and dynamics 4 20

Progress

11.42.7 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum

11.42.8 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

11.42.9 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum.

Final Assessment and Classification

11.42.10 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes in the second, third and fourth years.

Award

11.42.11 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Biomedical Engineering, a candidate must have accumulated no fewer than 480 credits from the course curriculum, including all compulsory classes. No fewer than 100 credits must be at Level 4 or above.

11.42.12 **BEng:** In order to qualify for the award of the degree of BEng in Biomedical Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.42.13 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Biomedical Engineering a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.42.14 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Biomedical Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.42.15 Transfer

A candidate who fails to satisfy the progress or award requirements for the BEng in Biomedical Engineering may be transferred to the degree of BEng in Engineering Studies.

BSc with Honours in Prosthetics and Orthotics

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Course

11.42.16 The course is offered at Honours level only.

Mode of Study

11.42.17 The course is available by full-time study only.

Place of Study

11.42.18 The Clinical Placement in both Prosthetics and Orthotics will be conducted in approved hospital-based prosthetic and orthotic centres and will comprise an approved programme of clinical experience. Students must apply for membership of the PVG (Protecting Vulnerable Groups) Scheme managed by Disclosure Scotland; or if already a member must apply for an update.

Curriculum

First Year

11.42.19 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

94 154 Principles of Prosthetic and Orthotic Design 1 1 20

94 156 Introduction to Health Services Research 1 20

94 157 Human Biological Sciences 1 1 20

BE106 Foundations for Interprofessional Learning 1 20

94 161 Prosthetic and Orthotic Professional and

Technical Skills 1 1 20

94 204 Prosthetics and Orthotics Science 1 2 20

Second Year

11.42.20 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

94 205 Professional Skills for Healthcare 2 2 10

94 206 Human Biological Sciences 2 2 20

94 207 Principles of Prosthetic and Orthotic Design 2 2 20

94 208 Prosthetics and Orthotics Science 2 2 60

Elective Class 10

Third Year

11.42.21 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

94 303 Human Biological Sciences 3 3 10

94 304 Principles of Prosthetic & Orthotic Design 3 3 10

94 355 Prosthetic & Orthotic Science 3 with Applied Health Service Research 3 40

94 403 Prosthetics/Orthotics Clinical Placement 1 4 60

Fourth Year

11.42.22 All students shall undertake classes amounting 120 credits as follows:

Compulsory Classes

94 404 Prosthetics/Orthotics Clinical Placement 2 4 60

94 405 Project 4 40

Optional Class 4 20

Optional Classes

20 credits chosen from:

BE411 Upper Limb Prosthetics 4 20

BE408 Hip, Knee & Ankle Disarticulation Prosthetics 4 20

BE409 Orthotic Management of the Diabetic Foot 4 20

BE410 Lower Limp Prosthetic Design 4 20

BE413 Orthotic Management of Spinal Deformity 4 20

BE407 Orthotic Management of Neurological Condtions 4 20

BE412 Clinical Governance 4 20

BE415 Clinical Gait Analysis 4 20

BE414 Paediatric Lower Limb Prosthetics 4 20

Progress

11.42.23 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum .

11.42.24 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for all of the compulsory classes.

11.42.25 In order to progress to the fourth year of the course, a student must have accumulated 360 credits from the course curriculum.

Final Honours Classification

11.42.26 The final Honours classification will normally be based on:

(i) the first assessed attempt at compulsory classes in the second, third and fourth years;

(ii) clinical, laboratory and project work in the second, third, fourth and years;

(iii) clinical oral examinations following placements in Prosthetics and Orthotics in the third and fourth year;

(iv) individual project work in the fourth year, including oral examination.

Award

11.42.27 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Prosthetics and Orthotics, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include a minimum of 160 credits at Level 4.

11.43 Department of Chemical and Process Engineering

Chemical Engineering

BEng with Honours in Chemical Engineering

BEng in Chemical Engineering

Diploma of Higher Education in Chemical Engineering

Certificate of Higher Education in Chemical Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.43.1 All students are normally admitted in the first instance as potential Honours students. Transfer between the courses and to the MEng in Chemical Engineering is possible prior to the fourth year of study, subject to satisfying the appropriate progress regulations.

Mode of Study

11.43.2The courses are available by full-time study only.

Curriculum

First Year

11.43.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CP 101 Basic Principles in Chemical Engineering 1 20

CP 102 Chemical Engineering: Fundamentals,

Techniques and Tools 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class(es) 20

Second Year

11.43.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CP 203 Thermodynamic and Chemical Principles 2 20

CP 204 Fluid Flow and Heat Transfer 2 20

CP 212 Process Safety Fundamentals 2 20

CP 206 Chemical Engineering Practice 1 2 20

CP 207 Process Analysis and Statistics 2 20

CP 213 Applied Mathematics and Problem Solving 2 20

Third Year

11.43.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CP 302 Mass Transfer and Separation Processes 3 20

CP 303 Materials Processing and Applications 3 20

CP 316 Reactors 3 20

CP 315 Biochemical Engineering 3 20

CP 305 Ethics, Sustainability, and Economics 3 20

CP 306 Chemical Engineering Design and Advanced

Information Technology 3 20

CP 307 Chemical Engineering Practice 2 3 20

Fourth Year

11.43.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CP 405 Process Control and Environmental Technology 4 20

CP 407 Chemical Engineering Design 4 60

CP 409 Advanced Separations and Problem Solving 4 20

CP414 Particle Technology and Advanced Reactors 4 20

Progress

11.43.7 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.43.8 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum, including at least 120 credits from Level 1 and 100 from Level 2.

11.43.9 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum

Final Assessment and Honours Classification

11.43.12 The final Honours classification will normally be based on the first assessed attempt at classes taken in the second, third and fourth years**.**

Award

11.43.13 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Chemical Engineering, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.43.14 **BEng**: In order to qualify for the award of the degree of BEng in Chemical Engineering a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.43.15 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Chemical Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.43.16 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Chemical Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.43.17 A candidate who fails to satisfy the progress or award requirements for the BEng in Chemical Engineering may be transferred to the degree of BEng in Engineering Studies.

11.43.18 to

11.43.30 (numbers not used)

**Chemical Engineering**

**BEng with Honours in Chemical Engineering by Distance Learning**

**BEng in Chemical Engineering by Distance Learning**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 15.1]

**Admission**

11.43.31 The normal qualification for entry to the course is possession of an HNC in Chemical Engineering plus related work experience, an HND in Chemical Engineering or a degree in another discipline; other qualifications may be considered. Students thus qualified are normally awarded 240 credits through credit transfer and/or RPL.

**Status of the Courses**

11.43.32 All students are normally admitted in the first instance as potential Honours students, following a three year programme.

**Mode of Study**

11.43.33The courses are available by distance learning only.

**Duration of Study**

11.43.34 The normal duration of study is 3 years and the maximum is 6 years.

**Curriculum**

All students shall undertake classes amounting to 240 credits as follows:

*3 Year and 4 Year Programme*

Compulsory Classes\* Level Credits

CP 208 Fluid Flow and Heat Transfer 2 20

CP 211 Chemical Principles and Thermodynamics 2 20

CP 209 Process Analysis and Statistics 2 20

CP 318 Professional Engineering and Project 3 10

Management

CP 319 Chemical Engineering Safety 3 10

CP 314 Mass Transfer and Separation Processes 3 20

CP 310 Process Design and Simulation 3 20

CP 321 Reactors 3 10

CP 320 Biochemical Engineering 3 10

CP 411 Process Control and Environmental   
 Technology 4 20

CP 412 Advanced Separations and Problem Solving 4 20

CP 423 Chemical Engineering Design Part 1 4 20

CP 424 Chemical Engineering Design Part 2 4 40

\* Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director

**Progress – 3 year programme**

**11.43.36** In order to progress to the second year of the course, a student must normally have accumulated no fewer than 60 credits from the list above. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

11.43.37 In order to progress to the third year of the course, a student must normally have accumulated no fewer than 140 credits from the course curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

**Progress – 4 year programme**

**11.43.38** In order to progress to the second year of the course, a student must normally have accumulated no fewer than 40 credits from the course curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

**11.43.39** In order to progress to the third year of the course, a student must normally have accumulated no fewer than 100 credits from the course curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

11.43.40 In order to progress to the fourth year of the course, a student must normally have accumulated no fewer than 160 credits from the course curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

**Final Honours Classification**

**11.43.41** The final Honours classification will normally be based on the first assessed attempt at compulsory classes at level 2, 3 and 4.

**Award**

**11.43.42** **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Chemical Engineering, a candidate must have accumulated no fewer than 480 credits including no fewer than 240 from the course curriculum. These must include no fewer than 180 credits at Levels 3 and 4 of which a minimum of 100 must be at Level 4.

**11.43.43** **BEng**: In order to qualify for the award of the degree of BEng in Chemical Engineering, a candidate must have accumulated no fewer than 360 credits including no fewer than 120 from the course curriculum. These must include no fewer than 60 credits at Level 3 or above.

11.44 Department of Civil and Environmental Engineering

Structural and Architectural Engineering

BEng with Honours in Structural and Architectural Engineering

BEng in Structural and Architectural Engineering

Diploma of Higher Education in Structural and Architectural Engineering

Certificate of Higher Education in Structural and Architectural Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.44.1 All students are normally admitted in the first instance as potential Honours students. Transfer to the MEng in Structural and Architectural Engineering is possible prior to the fourth year of study, subject to satisfying the appropriate progress regulations.

Mode of Study

11.44.2 The courses are available by full-time study only.

Curriculum

First Year

11.44.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 110 Cultural Studies 1 1 20

CL 111 Structural Mechanics and Materials 1 1 20

CL 119 Introduction to Geology and Soil Mechanics 1 20

CL 117 Basic Mechanics 1 10

ME 101 Heat and Flow 1 1 10

MM 115 Mathematics 1D 1 20

Elective Class(es) 20

Second Year

11.44.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 211 Cultural Studies 2 2 20

CL 207 Structural Mechanics and Materials 2 2 20

CL 217 Soil Mechanics 2 20

CL 216 Hydraulics and Hydrology 2 20

16 293 Environmental Engineering Science 2 10

16 294 Energy Systems 1 2 10

MM 215 Mathematics 2D 2 20

Third Year

11.44.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 314 Cultural Studies 3 3 20

CL 313 Structural Engineering 1 3 20

CL 314 Geotechnical Engineering 1 3 20

CL 329 Engineering Mathematics 3 20

CL 324 Surveying and Building Design 3 20

16 387 Environmental Engineering Science 2 3 10

16 390 Energy Systems 2 3 10

Fourth Year

11.44.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 469 Low Energy Building Design 4 20

CL 434 Individual Project 4 20

CL 418 Structural Engineering 2 4 20

CL 419 Geotechnical Engineering 2 4 20

CL 435 Prestressed Concrete, Composite Materials

and Structural Stability 4 10

CL 438 Project Planning 4 10

Optional Classes 4 20

CL 436 Transport Planning 4 10

CL 437 Project Analysis 4 10

CL 428 Architectural Engineering Design Project 4 10

16 468 Acoustics 4 10

ME 404 Energy Systems Modelling 4 10

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director.

Progress

11.44.7 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.44.8 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum

11.44.9 In order to progress to the fourth year a student must have accumulated at least 360 credits from the course curriculum.

Final Assessment and Honours Classification

11.44.10 On successful completion of the fourth year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.44.11 The Final Honours Classification will normally be based on:

the first assessed attempt at compulsory and approved optional classes that

are taken in the second, third and fourth years;

Award

11.44.12 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Structural and Architectural Engineering, a candidate must have accumulated no fewer than 480 credits from the course curriculum including those for the class CL 434 Individual Project.

11.44.13 **BEng**: In order to qualify for the award of the degree of BEng in Structural and Architectural Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.44.14 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Structural and Architectural Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.44.15 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Structural and Architectural Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.44.16 A candidate who fails to satisfy the progress or award requirements for the BEng in Structural and Architectural Engineering may be transferred to the degree of BEng in Engineering Studies.

11.44.17

to 11.44.20 (Numbers not used)

Civil Engineering

BEng with Honours in Civil Engineering

BEng with Honours in Civil and Environmental Engineering

BEng in Civil Engineering

BEng in Civil and Environmental Engineering

Diploma of Higher Education in Civil Engineering

Certificate of Higher Education in Civil Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.44.21 All students are normally admitted in the first instance as potential Honours students. Transfer to the degree of MEng in the chosen course is possible prior to the fourth year of study, subject to satisfying the appropriate progress regulations. Transfer between the BEng degrees is possible prior to the third year of study, subject to satisfying the appropriate progress requirements.

Mode of Study

11.44.22 The courses are available by full-time study only.

Curriculum

First Year

11.44.23 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CL 132 Engineering Mechanics 1 1 20

CL 134 Engineering Mechanics 2 1 20

CL 114 Civil Engineering Design Projects 1 20

CL 133 Soils and Earthworks 1 10

MM 115 Mathematics 1D 1 20

CL 120 Introduction to Civil Engineering

and the Environment 1 20

Elective Class(es) 10

Second Year

11.44.24 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CL 207 Structural Mechanics and Materials 2 2 20

CL 217 Soil Mechanics 2 20

CL 209 Land Surveying and Mapping 2 20

CL 218 Chemistry and Materials Science 2 20

CL 216 Hydraulics and Hydrology 2 20

MM 215 Mathematics 2D 2 20

Third Year

11.44.25 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CL 313 Structural Engineering 1 3 20

CL 314 Geotechnical Engineering 1 3 20

CL 315 Water Engineering 1 3 20

CL 329 Engineering Mathematics 3 20

CL 328 Environmental Engineering 3 10

CL 330 Transport Engineering 3 10

CL 305 Construction Project Management 3 10

Elective Class(es) 10

Fourth Year

11.44.26 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CL 419 Geotechnical Engineering 2 4 20

CL 420 Water Engineering 2 4 20

CL 448 Individual Project 4 30

*Civil Engineering*

CL 418 Structural Engineering 2 4 20

CL 435 Prestressed Concrete, Composite Materials

and Structural Stability 4 10

*Civil and Environmental Engineering*

CL 413 Solid Waste Management 4 10 CL 439 Contaminated Land 4 10

CL 447 Water and Wastewater Treatment Design 4 10

Optional Classes

No fewer than 20 from the following:

CL 436 Transport Planning 4 10

CL 437 Project Analysis 4 10

CL 418 Structural Engineering 2 4 20

CL 435 Prestressed Concrete, Composite Materials

and Structural Stability 4 10

CL 431 Pollution and Rehabilitation

of Degraded Ecosystems 4 10

CL 413 Solid Waste Management 4 10 CL 439 Contaminated Land 4 10

CL 430 Principles of Environmental Microbiology 4 10

EV 405 Strategic Environmental Assessment 4 10

CL 447 Water and Wastewater Treatment Design 4 10

CL 446 Water and Environmental Management 4 10

Exceptionally, such other classes totalling no more than 20 credits at Level 4 as approved by the Course Director.

Progress

11.44.27 In order to progress to the second year of the chosen course, a student must have accumulated at least 100 credits from the course curriculum.

11.44.28 In order to progress to the third year of the chosen course, a student must have accumulated at least 220 credits from the course curriculum.

11.44.29 In order to progress to the fourth year of the chosen course, a student must have obtained at least 360 credits from the course curriculum.

Final Assessment and Honours Classification

11.44.30 The final Honours classification for the degree of BEng in the chosen course will normally be based on the first assessed attempt at compulsory and approved optional classes which are taken in the second, third, and fourth years.

Award

11.44.31 **BEng with Honours**: In order to qualify for the award of the degree of BEng with Honours in the chosen course, a candidate must have accumulated no fewer than 480 credits from the course curriculum including those for the class CL 448 Individual Project.

11.44.32 **BEng**: In order to qualify for the award of the degree of BEng in the chosen course, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.44.33 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Civil Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.44.34 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Civil Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.44.35 A candidate who fails to satisfy the progress or award requirements for the BEng in Civil Engineering or BEng in Civil and Environmental Engineering may be transferred to a degree of BEng in Engineering Studies.

11.44.36

to 11.44.40 (Numbers not used.)

Environmental Health

BSc with Honours in Environmental Health

BSc in Environmental Health

Diploma of Higher Education in Environmental Health

Certificate of Higher Education in Environmental Health

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.44.41 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.44.42 The courses are available by full-time study only.

Curriculum

First Year

11.44.43 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 102 Molecular Bioscience 1 20

BM 103 Biology of Organisms 1 20

BM 104 Practical Bioscience 1 20

CH 105 Chemistry for Bioscience 1 20

CL 113 Introduction to the Environment and Health 1 20

Optional Classes

20 credits chosen from

BM 101 Foundation Bioscience and Statistics 1 20

MM 116 Mathematics 1C 1 20

Second Year

11.44.44 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 201 Introduction to Infection and Immunity 2 20

BM 205 Human Physiology 2 20

16 293 Environmental Engineering Science 1 2 10

CL 203 Public Health Studies 2 10

CL 215 Statistics and Model Analysis 2 20

Optional classes

20 credits chosen from:

BM 210 Nutritional Biochemistry and Metabolism 2 20

CL 214 Environmental Monitoring and Analysis 2 20

Elective Class(es) 20

Third Year

11.44.45 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 312 Medical and Food Microbiology 3 20

CL 320 Occupational Health and Safety 3 20

CL 321 Atmospheric Pollution 3 20

CL 322 Food Inspection and Pest Control 3 20

CL 323 Housing Policy and Research Methods 3 20

CL 325 Solid Waste, Water and Environmental

Management 3 20

Fourth Year

11.44.46 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 469 Acoustics 4 10

CL 433 Contaminated Land Management 4 20

CL 425 Final Year Research Project 4 40

CL 426 Food Safety and Meat Hygiene 4 20

CL 430 Principles of Environmental Microbiology 4 10

CL 431 Pollution and Rehabilitation of Degraded

Ecosystems 4 10

EV 405 Applied Strategic Environmental Assessment 4 10

Progress

11.44.47 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.44.48 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

11.44.49 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum.

Final Assessment and Honours Classification

11.44.50 On successful completion of the fourth year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.44.51 The final Honours classification will normally be based on

the first assessed attempt at compulsory classes which are taken in the third

and fourth years.

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Award

11.44.52 **BSc with Honours**: In order to qualify for the award of the degree ofBSc with Honours in Environmental Health, a candidate must have accumulated no fewer than 480 credits from the course curriculum including those for the class *CL 425* *Final Year Research* *Project*.

11.44.53 **BSc**: In order to qualify for the award of the degree of BSc in EnvironmentalHealth, a candidate must have accumulated no fewer than 360 credits from the course curriculum

11.44.54 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Environmental Health, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.44.55 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Environmental Health, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.44.56 A candidate who fails to satisfy the progress or award requirements for the BSc in Environmental Health may be transferred to the degree of BEng in Engineering Studies.

11.44.57

to 11.44.76 (numbers not used)

**Department of Civil & Environmental Engineering**

**Civil Engineering**

**Graduate Diploma in Civil Engineering**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 11.1.]

**Admission**

11.44.77 Regulation 11.1.1 shall apply.

**Duration of Study**

11.44.78 Regulations 11.1.5 and 11.1.6 shall apply.

**Mode of Study**

11.44.79 The course is available by full-time study only.

**Curriculum**

11.44.80 All students shall undertake an approved curriculum of no fewer than 120 credits as follows:

Compulsory Class Level Credits

CL 4XX Graduate Diploma Individual Project 4 20

Optional Classes

100 credits chosen from the list in Regulation 11.44.61.

Optional classes must incorporate no fewer than 70 credits at Level 4 or above.

11.44.81 Optional Classes at Levels 3 and 4

CL 418 Structural Engineering 2 4 20

CL 419 Geotechnical Engineering 2 4 20

CL 420 Water Engineering 2 4 20

CL423 Solid Waste Management and Contaminated  
Land 4 20

CL435 Prestressed Concrete, Composite Materials

and Structural Stability 4 20

CL438 Project Planning 4 20

CL 436 Transport Planning 4 10

CL 437 Project Analysis 4 10

CL 431 Pollution and Rehabilitation

of Degraded Ecosystems 4 10

CL 313 Structural Engineering 1 3 20

CL 314 Geotechnical Engineering 1 3 20

CL 315 Water Engineering 1 3 20

CL 329 Engineering Mathematics 3 20

CL 328 Environmental Engineering 3 10

CL 330 Transport Engineering 3 10

CL 305 Construction Project Management 3 10

CL 327 Engineering for International Development 3 10

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director.

**Examination, Progress and Final Assessment**

11.44.82 Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the course work and in the Individual Project.

11.44.83 Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es) normally in the same academic year.

**Award**

11.44.84 **Graduate Diploma**: In order to qualify for the award of Graduate Diploma in Civil Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and have accumulated no fewer than 120 credits with at least 90 credits from Level 4 or above of which 20 must have been awarded in respect of the Individual Project.

11.45 Department of Design, Manufacture and Engineering Management

Product Design Engineering

BEng with Honours in Product Design Engineering

BEng in Product Design Engineering

Diploma of Higher Education in Product Design Engineering

Certificate of Higher Education in Product Design Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.45.1 All students are normally admitted in the first instance as potential Honours students.Transfer to the MEng degree of Product Design Engineeringis possible up to the end of third year subject to satisfying the appropriate progress requirements.

Mode of Study

11.45.2 The courses are available by full-time study only.

Curriculum

First Year

11.45.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

DM 100 Design 1 1 20

DM 101 Integrating Studies 1 1 20

DM 102 Introduction to Production Engineering and

Management 1 20

MM 115 Mathematics 1D 1 20

Elective Class(es) 20

Second Year

11.45.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 155 Engineering Materials 1 10

19 222 Electrical Machines and Control 2 10

19 260 Electrical and Electronic Engineering 2 10

DM 200 Design 2 2 20

DM 202 Design and Manufacturing Management 2 20

DM 204 Integrating Studies 2 2 20

DM 205 Production Techniques 1 2 20

ME 101 Heat and Flow 1 1 10

Third Year

11.45.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 303 Engineering Design 3 20

DM 304 Integrating Studies 3 3 20

DM 306 Product Development 3 20

DM 308 Production Techniques 2 3 20

DM 309 Mechatronics Design and Applications 3 20

Optional Classes

20 credits at Level 3 or 4 chosen from the list of optional classes in Regulation 11.45.7

Fourth Year

11.45.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 400 Advanced Design Methods 4 20

DM 401 Advanced Product Design and Manufacture 4 20

DM 402 Individual Project 1 4 40

DM 403 Industrial Group Project 1 4 20

Optional Classes

20 credits at Level 3, 4 or 5 chosen from the list of optional classes in Regulation 11.45.7.

11.45.7 **Optional Classes at Levels 3, 4 and 5**

DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

Z1 313 Vertically Integrated Project 3 10

Z1 317 Vertically Integrated Project 3 10

DM 404 Quality Management 4 20

DM 406 Industrial Placement 1 4 20

DM 405 Industrial Placement 2 4 20

Z1 406 Vertically Integrated Project 4 10

Z1 407 Vertically Integrated Project 4 10

DM503 Global Design 5 10

DM918 People, Organisation and Technology 5 10

DM920 Strategic technology Management 5 10

DM 943 Sustainable Product Design and

Manufacturing 5 10

DM 983 Design Form and Athestics 5 10

DM923 Product Modelling and Visualisation 5 10

DM926 Supply Chain Operations 5 10

DM935 Management of Total Quality and

Continuous Improvement 5 10

EF927 Design Management 5 10

Z1 505 Vertically Integrated Project 5 10

Z1 506 Vertically Integrated Project 5 10

DM 904 Human Centred Design 5 10

DM 985 Remanufacturing 5 10

Progress

11.45.8 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.45.9 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including 100 credits at Level 2 or above.

11.45.10 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 100 credits at Level 3 or above.

11.45.11 Final Honours Classification

The final Honours classification will normally be based onthe first assessed attempt at compulsory and, if appropriate, specified optional classes which are taken in the second, third and fourth year of the course

Award

11.45.12 **BEng with Honours**: In order to qualify for the award of the degree of BEng with Honours in Product Design Engineering*,* a candidate must have accumulated no fewer than 480 credits from the course curriculum including those for the class *DM 402 Individual Project 1*.

11.45.13 **BEng:** In order to qualify for the award of the degree of BEng in Product Design Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100credits at Level 3 or above.

11.45.14 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Product Design Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.45.15

**Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Product Design Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.45.16 A candidate who fails to satisfy the progress or award requirements for the BEng in Product Design Engineering may be transferred to the degree of BEng in Engineering Studies.

11.45.17 to

11.45.20 (Numbers not used)

Product Design and Innovation

BSc with Honours in Product Design and Innovation

BSc in Product Design and Innovation

Diploma of Higher Education in Product Design and Innovation

Certificate of Higher Education in Product Design and Innovation

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.45.21 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.45.22 The courses are available by full-time study only.

Curriculum

First Year

11.45.23 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 100 Design1 1 20

DM 101 Integrating Studies 1 1 20

DM 102 Introduction to Production Engineering and

Management 1 20

DM 103 Technology Concepts 1 20

Z1 151 Entrepreneurship: Theory and Practice 1 20

Elective Class(es) 20

Second Year

11.45.24 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 200 Design 2 2 20

DM 202 Design and Manufacturing Management 2 20

DM 203 Design Prototyping 2 20

DM 204 Integrating Studies 2 2 20

DM 205 Production Techniques 1 2 20

Z1 218 New Venture Planning 2 20

Third Year

11.45.25 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 304 Integrating Studies 3 3 20

DM 306 Product Development 3 20

DM 308 Production Techniques 2 3 20

Optional Classes

20 credits at Level 3 or 4 chosen from the list of optional classes in Regulation 11.45.27.

Fourth Year

11.45.26 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 400 Advanced Design Methods 4 20

DM 401 Advanced Product Design & Manufacture 4 20

DM 402 Individual Project 1 4 40

DM 403 Industrial Group Project 1 4 20

Optional Classes

20 credits at Level 3, 4 or 5 chosen from the list of optional classes in Regulation 11.45.27.

11.45.27 **Optional Classes at Levels 3, 4 and 5**

DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

Z1 313 Vertically Integrated Project 3 10

Z1 317 Vertically Integrated Project 3 10

DM 404 Quality Management 4 20

DM 406 Industrial Placement 1 4 20

DM 405 Industrial Placement 2 4 20

Z1 406 Vertically Integrated Project 4 10

Z1 407 Vertically Integrated Project 4 10

DM503 Global Design 5 10

DM918 People, Organisation and Technology 5 10

DM920 Strategic technology Management 5 10

DM 943 Sustainable Product Design and

Manufacturing 5 10

DM 983 Design Form and Athestics 5 10

DM923 Product Modelling and Visualisation 5 10

DM926 Supply Chain Operations 5 10

DM935 Management of Total Quality and

Continuous Improvement 5 10

EF927 Design Management 5 10

Z1 505 Vertically Integrated Project 5 10

Z1 506 Vertically Integrated Project 5 10

DM 904 Human Centred Design 5 10

DM 985 Remanufacturing 5 10

Progress

11.45.28 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.45.29 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including no fewer than 100 credits at Level 2 or above.

11.45.30 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including no fewer than 100 credits at Level 3 or above.

Final Honours Classification

11.45.31 The final Honours classification will normally be based onthe first assessed attempt at compulsory and specified optional classes which are taken in the second, third and fourth year of the course*.*

Award

11.45.32 **BSc with Honours**: In order to qualify for the award of the degree ofBSc with Honours in Product Design and Innovation*,* a candidate must have accumulated no fewer than 480 credits including those for the class *DM 402 Individual Project 1*.

11.45.33 **BSc:** In order to qualify for the award of the degree of BSc in Product Design and Innovation*,* a candidate must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100 credits at Level 3 or above.

11.45.34 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Product Design and Innovation, a candidate must have accumulated no fewer than 240 credits from the course curriculum*.*

11.45.35 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Product Design and Innovation, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.45.36

to 11.45.40 (Numbers not used)

Production Engineering and Management

BEng with Honours in Production Engineering and Management

BEng in Production Engineering and Management

Diploma of Higher Education in Production Engineering and Management

Certificate of Higher Education in Production Engineering and Management

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.45.41 All students are normally admitted in the first instance as potential Honours students.Transfer to the MEng degree of Production Engineering and Management is possible up to the end of third year subject to satisfying the appropriate progress requirements.

Mode of Study

11.45.42 The courses are available by full-time study only.

Curriculum

First Year

11.45.43 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

DM 100 Design 1 1 20

DM 101 Integrating Studies 1 1 20

DM 102 Introduction to Production Engineering and

Management 1 20

MM 115 Mathematics 1D 1 20

Elective Class(es) 20

Second Year

11.45.44 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 155 Engineering Materials 1 10

19 222 Electrical Machines and Control 2 10

19 260 Electrical and Electronic Engineering 2 10

DM 200 Design 2 2 20

DM 202 Design and Manufacturing Management 2 20

DM 204 Integrating Studies 2 2 20

DM 205 Production Techniques 1 2 20

ME 101 Heat and Flow 1 10

Third Year

11.45.45 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 304 Integrating Studies 3 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

DM 308 Production Techniques 2 3 20

DM 309 Mechatronics Design and Applications 3 20

Optional Classes

20 credits chosen at Level 3 or 4 chosen from the list of optional classes in Regulation 11.45.47.

Fourth Year

11.45.46 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 401 Advanced Product Design and Manufacture 4 20

DM 402 Individual Project 1 4 40

DM 403 Industrial Group Project 1 4 20

DM 404 Quality Management 4 20

Optional Classes

20 credits at Level 3, 4 or 5 chosen from the list of optional classes in Regulation 11.45.47.

**Optional Classes at Levels 3, 4 and 5**

11.45.47

DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

Z1 313 Vertically Integrated Project 3 10

Z1 317 Vertically Integrated Project 3 10

DM 404 Quality Management 4 20

DM 406 Industrial Placement 1 4 20

DM 405 Industrial Placement 2 4 20

Z1 406 Vertically Integrated Project 4 10

Z1 407 Vertically Integrated Project 4 10

DM503 Global Design 5 10

DM918 People, Organisation and Technology 5 10

DM920 Strategic technology Management 5 10

DM 943 Sustainable Product Design and

Manufacturing 5 10

DM 983 Design Form and Athestics 5 10

DM923 Product Modelling and Visualisation 5 10

DM926 Supply Chain Operations 5 10

DM935 Management of Total Quality and

Continuous Improvement 5 10

EF927 Design Management 5 10

Z1 505 Vertically Integrated Project 5 10

Z1 506 Vertically Integrated Project 5 10

DM 904 Human Centred Design 5 10

DM 985 Remanufacturing 5 10

Progress

11.45.48 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.45.49 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including 100 credits at Level 2 or above.

11.45.50 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 100 credits at Level 3 or above.

Final Honours Classification

11.45.51 The final Honours classification will normally be based onthe first assessed attempt at compulsory and, if appropriate, specified optional classes which are taken in the second, third and fourth year of the course.

Award

11.45.52 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Production Engineering and Management*,* a candidate must have accumulated no fewer than 480 credits from the course curriculum including those for the class *DM 402 Individual Project 1*.

11.45.53 **BEng:** In order to qualify for the award of the degree of BEng in Production Engineering and Management, a candidate must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100credits at Level 3 or above.

11.45.54 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education inProduction Engineering and Management, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.45.55 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Production Engineering and Management, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.45.56 A candidate who fails to satisfy the progress or award requirements for the BEng in Production Engineering and Management may be transferred to the degree of BEng in Engineering Studies.

11.45.57

to 11.45.60 (Numbers not used)

Sports Engineering

BEng with Honours in Sports Engineering

BEng in Sports Engineering

Diploma of Higher Education in Sports Engineering

Certificate of Higher Education in Sports Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.45.61 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.45.62 The courses are available by full-time study only.

Curriculum

First Year

11.45.63 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 100 Design 1 1 20

DM 101 Integrating Studies 1 1 20

DM 102 Introduction to Production Engineering and

Management 1 20

DM 103 Technology Concepts 1 20

BE 100 Anatomy and Physiology for Biomedical

Engineers 1 20

Elective Class(es) 20

Second Year

11.45.64 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE 201 Biomechanics of Human Movement – Theory 2 20

BE 202 Biomechanics of Human Movement –

Measurement 2 20

DM 200 Design 2 2 20

DM 204 Integrating Studies 2 2 20

DM 205 Production Techniques 1 2 20

DM 206 Sports Engineering 2 20

Third Year

11.45.65 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

65303 Physiology of Sport and Exercise 3 20

DM 303 Engineering Design 3 20

DM 304 Integrating Studies 3 3 20

DM 306 Product Development 3 20

DM 309 Mechatronics Design and Applications 3 20

Optional Classes

20 credits at Levels 3 or 4 chosen from the list of optional classes in Regulation 11.45.67

Fourth Year

11.45.66 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 402 Individual Project 1 4 40

DM 403 Industrial Group Project 1 4 20

BE 405 Sports Injury and Rehabilitation 4 20

BE 400 Advanced Topics in Human Movement 4 20

Optional Classes

20 credits at Levels 3, 4 or 5 chosen from the list of optional classes in Regulation 11.45.67.

Optional Classes at Levels 3, 4 and 5

11.45.67 DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

Z1 313 Vertically Integrated Project 3 10

Z1 317 Vertically Integrated Project 3 10

DM 404 Quality Management 4 20

DM 406 Industrial Placement 1 4 20

DM 405 Industrial Placement 2 4 20

Z1 406 Vertically Integrated Project 4 10

Z1 407 Vertically Integrated Project 4 10

DM503 Global Design 5 10

DM918 People, Organisation and Technology 5 10

DM920 Strategic technology Management 5 10

DM 943 Sustainable Product Design and

Manufacturing 5 10

DM 983 Design Form and Athestics 5 10

DM923 Product Modelling and Visualisation 5 10

DM926 Supply Chain Operations 5 10

DM935 Management of Total Quality and

Continuous Improvement 5 10

EF927 Design Management 5 10

Z1 505 Vertically Integrated Project 5 10

Z1 506 Vertically Integrated Project 5 10

DM 904 Human Centred Design 5 10

DM 985 Remanufacturing 5 10

**Progress**

11.45.68 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.45.69 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including 100 credits at Level 2 or above.

11.45.70 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 100 credits at Level 3 or above.

Final Honours Classification

11.45.71 The final Honours classification will normally be based onthe first assessed attempt at compulsory and, where appropriate, specified optional classeswhich are taken in the second, third and fourth year of the course;

Award

11.45.72 **BEng with Honours**: In order to qualify for the award of the degree of BEng with Honours in Sports Engineering*,* a candidate must have accumulated no fewer than 480 credits from the course curriculum including those for the class *DM402 Individual Project 1.*

11.45.73 **BEng:** In order to qualify for the award of the degree of BEng in Sports Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include no fewer than 100credits at Level 3.

11.45.74 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Sports Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.45.75 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Sports Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.45.76 A candidate who fails to satisfy the progress or award requirements for the BEng in Sports Engineering may be transferred to the degree of BEng in Engineering Studies.

11.46 Department of Electronic and Electrical Engineering

Electronic and Electrical Engineering

BEng with Honours in Electronic and Electrical Engineering

BEng in Electronic and Electrical Engineering

Diploma of Higher Education in Electronic and Electrical Engineering

Certificate of Higher Education in Electronic and Electrical Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.46.1 All students are normally admitted in the first instance as potential Honours students. Transfer to a corresponding MEng degree is possible prior to the fourth year of study subject to satisfying the appropriate progress requirements.

Mode of Study

11.46.2 The courses are available by full-time study only.

Curriculum

First Year

11.46.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

56 110 Engineering Industry and Profession 1 10

EE 105 Electronic and Electrical Techniques and

Design 1 1 20

EE 106 Engineering Design for Software Development 1 1 20

EE 107 Electronic and Electrical Principles 1 1 20

MM 113 Engineering Mathematics 1E 1 20

MM 114 Engineering Mathematics 2E 1 20

PH 167 Physical Electronics 1 10

Second Year

11.46.4 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

56 213 Engineering Design and Manufacture 2 10

PH260 Phycicsl Electronics 2 10

19207 Electromagnetism 2 10

EE 269 Electronic and Electrical Principles 2 2 20

EE 270 Analogue and Digital Electronics 2 20

EE 271 Electronic and Electrical Techniques and

Design 2 2 10

EE 273 Engineering Design for Software Development 2 2 20

MM 213 Engineering Mathematics 3E 2 20

Third Year

11.46.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

EE 320 Signals and Communication Systems 3 20

EE 311 Electronic and Electrical Principles 3 3 20

EE 312 Instrumentation and Microcontrollers 3 20

EE 313 Engineering Analysis 3 20

56324 Engineering Innovation and Management 3 10

EE 318 Engineeing Project 3 10

Elective Classes 20

Fourth Year

11.46.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

19 496 Project 4 40

Optional Classes

80 credits chosen from Lists A, B and C in Regulation 11.46.7

Optional classes must incorporate no fewer than 60 credits at Level 4 or above.

11.46.7 Optional Classes at Levels 3 and 4

List A: Electrical Energy Systems

EE 466 Power Electronics, Machines and Applications 4 20

EE 467 Power System Design, Operation and Protection 4 20

List B: Electronic and Digital Systems

EE 468 Analogue Systems 4 20

EE 469 Digital Signal Processing Principles 4 20

EE 470 Information Transmission and Security 4 20

List C: General

EE 315 Analogue and Digital System Design 3 20

EE 317 Renewable Energy Technologies 3 20

EE 471 Communications Networks 4 20

EE 472 Control Principles 4 20

EE 473 Photonic Systems 4 20

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director

Progress

11.46.8 In order to progress to the second year of the course, a student must have accumulated no fewer than 100 credits from the appropriate course curriculum.

11.46.9 In order to progress to the third year of the course, a student must have accumulated no fewer than 220 credits from the appropriate course curriculum.

11.46.10 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the appropriate course curriculum.

Final Assessment and Honours Classification

11.46.11 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes taken in the third and fourth years.

Award

11.46.12 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 480 credits from the appropriate course curriculum including those for the *Individual Project*.

11.46.13 **BEng:** In order to qualify for the award of the degree of BEng in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.46.14 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.46.15 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.46. 16 A candidate who fails to satisfy the progress or award requirements for the BEng in the chosen course may be transferred to the degree of BEng in Engineering Studies.

11.46.17

to 11.46.20 (Numbers not used)

Electrical and Mechanical Engineering

BEng with Honours in Electrical and Mechanical Engineering

BEng in Electrical and Mechanical Engineering

Diploma of Higher Education in Electrical and Mechanical Engineering

Certificate of Higher Education in Electrical and Mechanical Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.46.21 All students are normally admitted in the first instance as potential Honours students. Transfer to the MEng degree in Electrical and Mechanical Engineering is possible prior to the fourth year of study subject to satisfying the appropriate progress requirements.

Mode of Study

11.46.22 The courses are available by full-time study only.

Curriculum

First Year

11.46.23 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

56 110 Engineering Industry and Profession 1 10

EE 107 Electronic and Electrical Principles 1 1 20

EM 105 Electronic and Mechanical Techniques and

Design 1 1 20

ME 101 Heat and Flow 1 1 10

16 165 Engineering Analysis 1 1 10

MM 113 Engineering Mathematics 1E 1 20

MM 114 Engineering Mathematics 2E 1 20

Second Year

11.46.24 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

16 232 Engineering Mechanics 2 2 20

19 207 Electromagnetism 2 10

56 213 Engineering Design and Manufacture 2 10

EE 269 Electronic and Electrical Principles 2 2 20

EE 270 Digital Electronic Systems 2 20

EM 271 Electronic and Mechanical Techniques and

Design 2 2 10

ME 203 Heat and Flow 2 2 20

MM 213 Engineering Mathematics 3E 2 20

Third Year

11.46.25 All students shall undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

EE 312 Instrumentation and Microcontrollers 3 20

EM 301 Engineering Analysis 3 20

56 324 Engineering Innovation and Management 3 10

EM 305 Engineering Computing 3 10

EM 310 Signals and Systems 3 10

ME 305 Dynamics 3 3 10

EM 304 Integrated Design 3 20

Elective Classes 20

Optional Classes

20 credits chosen from:

EE 311 Electronic and Electrical Principles 3 3 20

ME 301 Heat and Flow 3 3 20

Fourth Year

11.46.26 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

EM 401 Individual Project 4 40

EM 402 Systems Engineering 4 20

Optional Classes

60 credits as specified in Regulation 12.46.42

11.46.27 **Optional Classes**

Optional classes must incorporate no fewer than 40 credits at Level 4 and above (see Regulation 11.46.29). Optional classes in Fourth Year must be approved by the Course Director and achieve an acceptable balance between the two disciplines. Normally no fewer than 20 credits at Level 4 or above must be taken from optional classes taught by each of the two associated Departments: Electronic and Electrical Engineering, and Mechanical and Aerospace Engineering.

11.46.28 Optional Classes at Level 3

*Electrical and Mechanical Engineering*

Optional classes at Level 3 in Regulation 11.46.25

*Electronic and Electrical Engineering*

As specified in Regulation 11.46.7

11.46.29 Optional Classes at Level 4

*Electronic and Electrical Engineering*

As specified in Regulation 11.46.9

*Mechanical and Aerospace Engineering*

As specified in Regulations 11.47.6, 12.47.7 and 12.47.9

Progress

11.46.30 In order to progress to the second year of the course, a student must have accumulated no fewer than 110 credits from the course curriculum.

11.46.31 In order to progress to the third year of the course, a student must have accumulated no fewer than 240 credits from the course curriculum.

11.46.32 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 380 credits from the course curriculum.

Final Honours Classification

11.46.33 The final honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes taken in the third and fourth years.

Award

11.46.34 **BEng with Honours:** Notwithstanding Regulation 11.1.10, in order to qualify

for the award of the degree of BEng with Honours in Electrical and Mechanical Engineering, a candidate must have accumulated no fewer than 500 credits from the course curriculum including those for the *Individual Project EM401*

11.46.35 **BEng:** In order to qualify for the award of the degree of BEng in Electrical and Mechanical Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.46.36 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Electrical and Mechanical Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.46.37 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Electrical and Mechanical Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.46.38 A candidate who fails to satisfy the progress or award requirements for the BEng in Electrical and Mechanical Engineering may be transferred to the degree of BEng in Engineering Studies.

11.47 Department of Mechanical and Aerospace Engineering

Mechanical Engineering

BEng with Honours in Aero-Mechanical Engineering

BEng with Honours in Mechanical Engineering

BEng with Honours in Mechanical Engineering with International Study

BEng in Mechanical Engineering

Diploma of Higher Education in Mechanical Engineering

Certificate of Higher Education in Mechanical Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.47.1All students are normally admitted in the first instance as potential Honours students. Transfer between these courses is possible prior to the third year of study. Transfer to the MEng degree courses in Mechanical Engineering, Mechanical Engineering with International Study and Aero-Mechanical Engineering is possible prior to the fourth year of study subject to satisfying the appropriate progress requirements.

Mode of Study

11.47.2 The courses are available by full-time study only.

Place of Study

11.47.3 The BEng course in Mechanical Engineering with International Study requires study at an approved institution abroad. Such study will normally extend over a minimum period of 30 weeks.

Curriculum

First Year

11.47.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

ME 108 Engineering Analysis and Numerical Methods 1 20

EE 108 Electrical Circuits 1 10

ME 101 Heat and Flow 1 1 10

ME 107 Experimental and Laboratory Skills 1 10

ME 105 Mechanical Engineering Design 1 20

MM 117 Mathematics 1M 1 20

Elective Class(es) 20

Second Year

11.47.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 232 Engineering Mechanics 2 2 20

16 288 Professional Studies 2 10

19 222 Electrical Machines and Control 2 10

ME 203 Heat and Flow 2 2 20

ME 209 Mathematical Modelling and Analysis 2 20

ME 212 Materials Engineering and Design 2 10

ME 214 Mechanical Engineering Design 2 2 10

together with classes appropriate to the chosen course:

*Aero-Mechanical Engineering*

16 231 Flight and Spaceflight 1 2 10

ME 201 Aero Design and Flight Test 2 10

*Mechanical Engineering*

*Mechanical Engineering with International Study*

Elective Class(es) 20

Third year

11.47.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 361 Dynamics and Control 3 20

16 363 Engineering Analysis 3 3 20

ME 301 Heat and Flow 3 3 20

16 327 Structural Mechanics 3 10

ME 415 Strategic Analysis of Engineering Business

Case Studies 4 10

ME 416 Engineering Ethics 4 10

together with classes appropriate to the chosen course:

*Aero-Mechanical Engineering*

16 351 Flight and Spaceflight 2 3 10

16 309 Aero-Design 2 3 20

*Mechanical Engineering*

*Mechanical Engineering with International Study*

ME 312 Mechanical Design 3A 3 10

ME 313 Mechanical Design 3B 3 20

*Mechanical Engineering with International Study*

All students are normally required to undertake study abroad at an approved institution and shall follow an approved curriculum reflecting that undertaken by students taking the Mechanical Engineering course. Such study will normally extend to a period of 30 weeks in total.

fourth year

11.47.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 402 Case Studies in Engineering 4 10

16 429 Computer Aided Engineering Design 4 20

ME 403 Engineering Materials Selection 4 10

ME 414 Advanced Mechanics and Dynamics 4 20

ME 405 Heat and Flow 4 4 10

together with classes appropriate to the chosen course:

*Aero-Mechanical Engineering*

ME 425 Aerospace Propulsion 4 10

ME 420 Individual Project – Aerospace 4 40

ME420 Individual Project - Aerospace can be used to contribute towards a Vertically Integrated Project.

*Mechanical Engineering*

*Mechanical Engineering with International Study*

ME 404 Energy Systems Modelling 4 10

ME 409 Individual Project 4 40

Progress

11.47.8 Progress to a period of study abroad is dependent on passing all compulsory classes. A student registered for the Mechanical Engineering with International Study course who does not meet this requirement at this stage will be required to transfer to another course.

11.47.9 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.47.10 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

11.47.11 In order to progress to the fourth year of the chosen course, a student must have accumulated at least 360 credits from the course curriculum.

11.47.12 **Final Assessment and Honours Classification**

The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes taken in the second, third and fourth years.

Award

11.47.13 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in the chosen course, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.47.14 In order to qualify for the award of BEng with Honours in Mechanical Engineering with International Study, in addition to satisfying the provisions of Regulation 11.47.13, a student must have spent 30 weeks of approved study abroad.

11.47.15 **BEng:** In order to qualify for the award of the degree of BEng in Mechanical Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.47.16 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Mechanical Engineering a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.47.17 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Mechanical Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.47.18 A candidate who fails to satisfy the progress or award requirements for the BEng in Mechanical Engineering or BEng in Aero-Mechanical Engineering may be transferred to the degree of BEng in Engineering Studies.

11.47.19 to

11.47.39 (number not used)

11.49 Department of Naval Architecture Ocean and Marine Engineering

Naval and Marine Engineering

BEng with Honours in Naval Architecture and Marine Engineering

BEng with Honours in Naval Architecture with Ocean Engineering

**BEng with Honours in Naval Architecture with High Performance**

**Marine Vehicles**

BEng in Naval Architecture and Marine Engineering

BEng in Naval Architecture with Ocean Engineering

**BEng in Naval Architecture with High Performance Marine Vehicles**

Diploma of Higher Education in Naval Architecture and Marine Engineering

Certificate of Higher Education in Naval Architecture and Marine Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.49.1 All students are normally admitted in the first instance as potential Honours students. Transfer between these courses is possible prior to the third year of study. Transfer to an appropriate MEng degree is possible prior to the fifth year of study, subject to satisfying the appropriate progress regulations.

Mode of Study

11.49.2The courses are available by full-time study only.

Curriculum

First Year

11.49.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

NM 102 Introduction to Naval Architecture and Marine

Engineering 1 20

NM 103 Analysis Tools for Marine Design 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class(es) 20

Second Year

11.49.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

NM 209 Principles of Marine Design and Production 2 20

NM 210 Analysis and Design of Marine Structures 1 2 20

NM 211 Engineering Applications for Naval Architects

and Marine Engineers 2 20

NM 212 Hydrostatics and Stability of Marine Vehicles 2 20

NM 213 Marine Engineering Fundamentals 2 20

MM 211 Mathematics 3B 2 20

Third Year

11.49.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

NM 312 Analysis and Design of Marine Structures 2 3 20

NM 313 Hydrodynamics, Resistance and Propulsion 3 20

NM 314 Marine Design 3 20

NM 316 Marine Engineering Systems and Control 3 20

21 370 Marine Business and Financial Management 3 10

NM 323 The Marine Environment 3 10

Optional Classes

*Either*

NM 327 Professional Development 3 10

*Or*

EF 300 STEM Engagement and Support 3 10

together with classes appropriate to the chosen course:

Naval Architecture and Marine Engineering

Compulsory Class

NM 324 Principles and Application of Marine Machinery 3 10

Naval Architecture with Ocean Engineering

Compulsory Class

NM 325 Offshore Oil and Gas Production Systems 3 10

Naval Architecture with High Performance Marine Vehicles

Compulsory Class

NM 305 Yacht and Powercraft Design 3 10

Fourth Year

11.49.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

NM 423 Seakeeping and Manoeuvring 4 20

NM 402 Theory and Practice of Marine CFD 4 10

21452 Finite Element Analysis of Marine Structures 4 10

together with classes appropriate to the chosen course:

*Naval Architecture and Marine Engineering*

Compulsory Classes Level Credits

NM 421 Marine Power and Electrical Systems 4 20

NM 428 Marine Engineering Project 4 40

NM 415 Marine Refrigeration and Air Conditioning 4 10

NM 409 Marine Transmission and Propulsion Systems 4 10

*Naval Architecture with Ocean Engineering*

Compulsory Classes

NM 430 Ocean Engineering Project 4 40

NM 404 Ship Structural Dynamics 4 10

NM 435 Structural Reliability 4 10

NM 436 Dynamics of Offshore Structures 4 20

Naval Architecture with High Performance Marine Vehicles

Compulsory Classes

NM 438 High Performance Marine Structures 4 20

NM 439 High Performance Sailing Yachts 4 10

NM 437 High Speed Ships 4 10

NM 440 High Performance Marine Vehicles Project 4 40

Progress

11.49.7 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.49.8 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

11.49.9 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum as appropriate.

Final Assessment and Honours Classification

11.49.10 On successful completion of the fourth year, a candidate will be awarded Level 4 credits corresponding to the classes taken.

11.49.11 The final Honours classification will normally be based on:

the first assessed attempt at compulsory and specified optional classes taken in the third and fourth years;

Award

11.49.12 **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in the chosen course, a candidate must have accumulated at least 480 credits from the course curriculum including those for the class *NM 428 Marine Engineering Project* or *NM 430 Ocean Engineering Project* or NM429 High Performance Marine Vehicles Project as appropriate.

11.49.13 **BEng**: In order to qualify for the award of the degree of BEng in Naval Architecture and Marine Engineering, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.49.14 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Naval Architecture and Marine Engineering, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.49.15 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Naval Architecture and Marine Engineering, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.49.16

to 11.49.79 (Numbers not used)

Strathclyde Business School

11.80 Faculty Courses

Business

BA with Honours in (Principal Subject(s))

**BA with Honours in (Principal Subject(s)) (Principal Subject(s)) with International Study**

**BA in (Principal Subject(s))**

**BA in (Principal Subject(s)) with International Study**

Diploma of Higher Education in Business

Certificate of Higher Education in Business

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.80.1 Regulation 11.1.1 shall apply.

Status of the Courses

11.80.2 All students are normally admitted in the first instance as potential Honours students.

Credit Transfer and RPL

11.80.3 Students with appropriate qualifications may be admitted with advanced standing directly into the second or third year.

Mode of Study

11.80.4 The courses are available by full-time study only.

Place of Study

11.80.5 Certain subjects (such as Psychology) may require study outwith the University.

11.80.6 The BA in Business (Principal Subjects) with International Study requires study at an approved institution abroad for a period of at least one semester.

Course Structure

Ordinary Degree

11.80.7 In the first year of study, all students shall undertake a curriculum which includes the class *BF 101 Management Development Programme 1*. At the end of the first year of study, all students shall choose two non-elective subjects from this curriculum for further study. These shall be known as the Principal Subjects.

11.80.8 Over the second and third years of study, all students shall undertake a curriculum which centres on the two chosen Principal Subjects and includes the classes *BF 201 Management Development Programme 2* and *BF 301 Management Development Programme 3.*

11.80.9 A Principal Subject shall comprise classes amounting to no fewer than 100 credits (normally 20 at Level 1, 40 at Level 2 and 40 at Level 3). Subjects delivered from other Faculties may require students to take classes amounting to 40 credits at Level 1.

By the end of the third year, all students must have taken classes amounting to at least 60 credits at Level 3 and an additional 100 credits at Level 2.

11.80.10 The credits for a class may count towards the credit requirements for one of the Principal Subjects only.

Principal Subject and Honours Requirements

11.80.11 Accounting See Regulation 11.80.31 – 11.80.32

Business Enterprise See Regulation 11.80.41 – 11.80.43

Business Technology See Regulation 11.80.51 – 11.80.53

Economics See Regulation 11.80.61 – 11.80.63

Finance See Regulation 11.80.71 – 11.80.73

Hospitality and Tourism See Regulation 11.80.81 – 11.80.85

Human Resource Management See Regulation 11.80.91 – 11.80.93

Management See Regulation 11.80.101 – 11.0.103

Management Science See Regulation 11.80.111 – 11.80.113

Marketing See Regulation 11.80.121 – 11.80.123

Business Law See Regulation 11.80.131 – 11.80.132

Mathematics and Statistics See Regulation 11.80.141 – 11.80.142

Psychology See Regulation 11.80.161 – 11.80.162

11.80.12 **Permissible Combinations of Subjects for Pass and Honours Degrees**

Subjects are normally available in the following combinations:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Accounting ^** | | | | | | | | | | |
| H | **Business Enterprise** | | | | | | | | | |
| H | H | **Business Analysis and Technology** | | | | | | | | |
| H |  | **Business Technology** | | | | | | | | |
| H | H | H | **Economics *Business Subjects*** | | | | | | | |
| H | H | H | H | **Finance** | | | | | | |
| H | H | H | H | H | **Hospitality and Tourism Management** | | | | | |
| H | H | H | H | H | H | **Human Resource Management** | | | | |
| H | H | H | H | H | H | H | **Management** | | | |
| H |  | H | H | H | H | H | H | **Management Science** | | |
| H | H | H | H | H | H | H | H | H | **Marketing** | |
| H | H |  | H | H | H |  |  | H | H | Business Law ***Non-Business Subjects*** |
| H |  |  | H | H |  |  |  | H |  | Mathematics and Statistics |
|  |  |  | H |  |  | H |  |  | H | Psychology |

C

First CurricCurrCurriculum

First Year

11.80.13 All students shall undertake a curriculum amounting to 120 credits as follows:

Compulsory Class Level Credits

BF 101 Management Development Programme 1 1 20

Optional Classes

Students shall choose 60 credits from the classes in List A, together with:

*either*

40 credits from either List A

*or*

40 credits from List B

*or*

20 credits from List A and 20 credits from elective classes.

List A: Level 1 Classes in Principal Subjects in Business

Level Credits

AG 105 Introduction to Finance and Financial Statistics \* 1 20

AG 111 Accounting Technologies \* 1 20

AG 151 Introduction to Finance and Accounting\*\* 1 20

EC 111 Introduction to Economics 1 20

HR 111 Managing People 1 20

MG 112 Managing in a Global Context 1 20

MK 111 Introduction to Marketing 1 20

MS112 Business Analysis and Technology 1 20

SH 111 Introduction Hospitality and Tourism

Management 1 20

Z1 151 Entrepreneurship Theory and Practice 1 20

\* *Only students admitted to study a degree which includes Accounting may take these classes. Students wishing to gain a degree in Accounting which is accredited by professional bodies should seek the advice of the Department of Accounting and Finance to ensure that the necessary classes are included in their curriculum.*

*\*\* Students taking AG 111 Accounting Technologies may not take this class*

M9 117 Business Law 1 20

MM 101 Introduction to Calculus (1A) 1 20

MM 102 Applications of Calculus (1B) 1 20

PY 105 Psychology 1A 1 20

PY 106 Psychology 1B 1 20

*Classes in Mathematics and Psychology must be taken in subject pairs. Students must pass the 1A to progress to 1B, and must pass 1A and 1B to qualify for admission to the Principal Subject.* *If they pass, they will be qualified for admission to the Principal Subject.*

Elective Class(es) 20

Second Year

11.80.14 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 201 Management Development Programme 2 2 20

Principal Subject 1 2 40

Principal Subject 2 2 40

Elective Class(es) 20

Third Year

11.80.15 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 301 Management Development Programme 3 3 20

Principal Subject 1 2/3 40

Principal Subject 2 2/3 40

Elective Class(es) 20

11.80.16Students who elect to undertake study abroad during their third year shall follow an approved curriculum of 120 credits which should include the equivalent of the following classes:

Compulsory Classes Level Credits

BF 301 Management Development Programme 3 3 20

Principal Subject 1 3 40

Principal Subject 2 3 40

and a further 20 credits

Single Honours

11.80.17 All students admitted to study a Single Honours degree shall undertake classes amounting to 120 credits at Level 4 in the Principal Subject specialisation including a dissertation (or equivalent).

Joint Honours

11.80.18 All students admitted to study a Joint Honours degree shall undertake classes amounting to 120 credits at Level 4 which meet the specialisation requirements for both Principal Subjects as follows:

Compulsory Classes Level Credits

Dissertation (or equivalent) in Principal Subject 1 or 2\* 4 40

Principal Subject 1 4 40

Principal Subject 2 4 40

*\* Students taking Mathematics, Business Law or Psychology will be required to undertake a 20-credit Dissertation (Project) and must therefore take a further 20-credit class in their other Principal Subject.*

Progress

11.80.19 In order to progress to the second year of the course, a student must have accumulated at least 120 credits from the course curriculum, including those in the Level 1 classes for the intended Principal Subjects*.*

11.80.20 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum, including those for the Level 2 compulsory classes relating to their chosen Principal Subjects.

11.80.21 In order to progress to the fourth year of the course, a student must have achieved 360 credits from the course curriculum and must have achieved a specified standard of performance having regard to level of study, academic attainment, Principal Subject requirements and any other specified criteria all as detailed in the Course Handbook.

11.80.22 A student admitted with advanced standing to the third year as a potential Honours degree student must have accumulated at least 360 credits including at least 120 credits from the third year of study curriculum and have met any additional requirements specified at entry. These must include at least 100 credits at Level 3 of which at least 60 credits must be at Level 3, fulfil the appropriate honours year requirements for the principal subject(s) and include appropriate class from the DP/ LDP portfolio of classes. In addition, a student must have achieved a specified standard of performance with regard to level of study, academic attainment and any other specified criteria all as detailed in the Course Handbook.

**Assessment and Final Honours Classification**

11.80.23On successful completion of the fourth year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.80.24 The final Honours classification will normally be based on:

(i) For students taking Honours subject(s) in the Strathclyde Business School only, the first assessed attempt at all classes in the Honours year;

(ii) For students taking Joint Honours with a Principal Subject from the Strathclyde Business School and a Principal Subject offered by another Faculty, the first assessed attempt at specified classes in the third year (if appropriate) and all classes in the Honours year;

Award

11.80.25 **BA with Honours**: In order to qualify for the award of the BA with Honours in *(Principal Subject(s))*, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.80.26 **BA with Honours with International Study:**

In order to qualify for the award of the BA with Honours in (Principal Subject), a candidate must have accumulated no fewer than 480 credits from the course curriculum, including at least one semester at a partner institution in the third year of study.

11.80.27 **BA**: In order to qualify for the award of the BA in *(Principal Subject(s)),* a candidate must have accumulated no fewer than 360 credits from the course curriculum and must have passed all the compulsory classes and satisfied the requirements for two Principal Subjects.

For avoidance of doubt, the BA in Business is not used for the title of an award.

11.80.28 **BA with International Study:**

In order to qualify for the award of the BA in (Principal |Subject) with International Study, a candidate must have accumulated no fewer than 360 credits from the course curriculum, including at least one semester at a partner institution in the third year of study.

11.80.29 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Business, a candidate must have accumulated no fewer than 240 credits from the course curriculum including those for the class *BF 101 Management Development Programme 1.*

11.80.30 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Business, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Principal Subject and Honours Requirements

Principal Subject Curriculum in Accounting

11.80.31 *Students wishing to gain a degree in Accounting which is accredited by professional bodies should seek the advice of the Department of Accounting and Finance to ensure that the necessary classes are included in their curriculum.*

Compulsory Classes Level Credits

AG 111 Accounting Technologies 1 20

AG 218 Intermediate Financial Reporting 2 20

AG 219 Cost and Management Accounting 2 20

AG 309 Governance and Accounting Ethics 3 10

AG 308 Auditing and Assurance 3 10

AG 311 Advanced Financial Reporting 3 10

AG 310 Contemporary Management Accounting 3 10

Optional Classes

AG 105 Introduction to Finance and Financial Statistics 1 20

AG 209 Taxation 2 20

AG 210 Business Finance 2 20

AG 216 Taxation 2 10

AG 220 Accounting Information Systems 2 10

Single Honours Curriculum in Accounting

11.80.32 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

AG 435 Accounting Dissertation 4 40

Optional Classes

80 credits chosen from:

AG 437 Strategic Accounting and Financial

Management in Entrepreneurial Firms 4 20

AG 416 Management Accounting Theory and Practice 4 20

AG 425 Corporate Governance 4 20

AG 408 Integrative Studies in Management

Accounting 4 20

AG 438 Understanding 21st Century Accounting

Technologies and Institutional Structures 4 20

AG 415 Contemporary Issues in International

Financial Reporting 4 20

AG 422 Accounting Ethics 4 20

AG 420 Auditing Theory and Practice 4 20

Sustainable Accounting and Accountability 4 20

Joint Honours Curriculum in Accounting and Another Subject

11.80.33 All students shall undertake a curriculum in Accounting amounting to 40 credits chosen from the list of optional classes at Regulation 11.80.32. In addition, if the student elects to undertake the dissertation in Accounting:

Level Credits

AG 435 Accounting Dissertation 4 40

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.34

to 11.80.40 (Numbers not used)

Principal Subject Curriculum in Business Enterprise

11.80.41 Compulsory Classes Level Credits

Z1 151 Entrepreneurship Theory and Practice 1 20

Z1 218 New Venture Planning 2 20

Z1 217 Creativity and Innovation Management 2 20

Z1 314 Entrepreneurial Capital 3 20

Z1 310 Venture Management Strategy and Growth 3 20

Single Honours Curriculum in Business Enterprise

11.80.42 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

Z1 400 Family Business: Theory and Practice 4 20

Z1 401 Venture Management in Practice 4 20

Z1 403 Issues and Trends in Entrepreneurship 4 20

Z1 404 Business Enterprise Dissertation and Special

Research Methods 4 40

Z1 405 International Entrepreneurship 4 20

AND EITHER

Z1 400 Family Business: Theory and Practice 4 20

OR

Z1408 Vertically Integrated Project Enterprise (Sem 1) 4 10

AND

Z1409 Vertically Integrated Project Enterprise (Sem 2) 4 10

Joint Honours Curriculum in Business Enterprise and Another Subject

11.80.43 All students shall undertake a curriculum in Business Enterprise amounting to 40 credits as follows:

Compulsory Class

Z1 403 Issues and Trends in Entrepreneurship 4 20

Optional Classes

20 credits from the following:

Z1 400 Family Business: Theory and Practice 4 20

Z1 405 International Entrepreneurship 4 20

In addition, if the student elects to undertake the dissertation in Business Enterprise:

Z1 404 Dissertation in Business Enterprise 4 40

The credit requirement for the other Principal Subject are specified in that subject’s specialisation regulations.

**Principal Subject Curriculum in Business Technology**

11.80.44 Compulsory Classes Level Credits

MS151 Harnessing Technology for Business 1 20

MS 204 Technological and Organisational Innovation 2 20

MS 308 Working in Today’s Virtual World 3 20

Optional Classes

40 credits chosen from:

MS 205 Information Systems in the Knowledge

Economy 2 20

MS 206 Management of Business Processes 2 20

MS 307 Knowledge Management 3 20

MS 308 Working in Today’s Virtual World 3 20

Single Honours Curriculum in Business Technology

11.80.45 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MS 417 Electronic Commerce 4 20

MS 419 Dissertation in Business Technology 4 40

Optional Classes

60 credits chosen from:

MS 415 Business Process Integration with ERP 4 20

MS 416 Business Analytics using Data Mining 4 20

MS 418 Project Management 4 20

MS 422 Risk Analysis and Management 4 20

Joint Honours Curriculum in Business Technology and Another Subject

11.80.46 All students shall undertake a curriculum in Business Technology amounting to 40 credits as follows:

Compulsory Class Level Credits

MS 417 Electronic Commerce 4 20

Or

MS 420 Management Science 4 4 20

Optional Classes

20 credits chosen from the following:

MS 415 Business Process Integration with ERP 4 20

MS 416 Business Analytics Using Data Mining 4 20

MS 418 Project Management 4 20

MS 421 Advanced Analytics for Business 4 20

MS 422 Risk Analysis and Management 4 20

MS 423 Modelling and Managing Service Operations 4 20

Strategy

In addition, if the student elects to undertake the dissertation in Business Analysis and Technology:

MS 419 Dissertation in Business Technology 4 40

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.47

to 11.80.60 (Numbers not used)

**Principal Subject Curriculum in Business Analysis and Technology**

11.80.61 Compulsory Classes Level Credits

MS 112 Business Analysis and Technology 1 20

MS 211 Managing Business Processes and

Information Systems 2 20

MS210 Analysing and Improving Operations 2 20

MS311 Knowledge and Innovation Management 3 20

MS361 Understanding and Optimizing Business

Systems 3 20

Single Honours Curriculum in Business Analysis and Technology

11.80.62 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MS 4XX Dissertation in Business Analysis and

Technology 4 40

MS 417 Electronic Commerce 4 20

MS 420 Management Science 4 4 20

Optional Classes

40 credits chosen from:

MS 415 Business Process Integration with ERP 4 20

MS 416 Business Analytics using Data Mining 4 20

MS 418 Project Management 4 20

MS 422 Risk Analysis And Management 4 20

Joint Honours Curriculum in Business Analysis and Technology

11.80.63 All students shall undertake a curriculum in Business Analysis and Technology amounting to 40 credits as follows:

Compulsory Class Level Credits

MS 417 Electronic Commerce 4 20

or

MS 420 Management Science 4 4 20

Optional Classes

20 credits chosen from:

MS 415 Business Process Integration with ERP 4 20

MS 416 Business Analytics using Data Mining 4 20

MS 418 Project Management 4 20

MS 422 Risk Analysis And Management 4 20

MS 421 Advanced Analytics for Business 4 20

MS 423 Modelling and Managing Service

Operations Strategy 4 20

In addition, if the student elects to undertake the dissertation in Business Analysis and Technology:

MS 4XX Dissertation in Business Analysis and 4 20

Technology

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Principal Subject Curriculum in Economics

11.80.64 Compulsory Classes Level Credits

EC 111 Introduction to Economics 1 20

EC 212 Microeconomics 2 2 20

EC 213 Macroeconomics 2 2 20

EC313 Macroeconomics 3 3 20

EC312 Microeconomics 3 3 20

Single Honours Curriculum in Economics

11.80.65 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

EC 419 Dissertation in Economics 4 20

EC 403 Microeconomics 4 20

EC 404 Macroeconomics 4 20

Optional Classes

60 credits chosen from

EC 412 Industrial Economics 4 20

EC 413 Applied Economics 4 20

EC 414 Financial Development and Economic Growth 4 20

EC 415 Behavioural Economics 4 20

EC 416 Natural Resource, Environmental and Energy

Economics 4 20

Joint Honours Curriculum in Economics and Another Subject

11.80.66 All students shall undertake a curriculum in Economics amounting to at least 40 credits

Compulsory Classes Level Credits

EC 403 Microeconomics 4 4 20

EC 404 Macroeconomics 4 4 20

Optional classes

No more than 20 credits chosen from the optional classes listed in Regulation 11.80.65

In addition, if the student elects to undertake the dissertation in Economics they must take 20 credits of optional classes and

Level Credits

EC 419 Dissertation in Economics 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.67

to 11.80.70 (Numbers not used)

Principal Subject Curriculum in Finance

11.80.71 Compulsory Classes Level Credits

AG 151 Introduction to Finance and Accounting 1 20

AG 215 Business Finance 2 20

AG 217 Portfolio Management and Security Analysis 2 20

AG 312 Advanced Corporate Finance and

Financial Markets 3 20

AG 313 Treasury Management and Derivatives 3 20

Optional Classes

AG 105 Introduction to Finance and Financial Statistics 1 20

AG 212 Financial Analysis 2 20

AG 213 Financial Markets and Banking 2 20

Single Honours Curriculum in Finance

11.80.72 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

AG 436 Dissertation in Finance 4 40

Optional Classes

80 credits chosen from:

AG 430 Corporate Financing 4 20

AG 428 Asset Pricing 4 20

AG 427 Advanced Portfolio Analysis 4 20

AG 429 Behavioural Finance 4 20

AG 431 Corporate Investment Theory and Policy 4 20

AG 434 International Financial Management 4 20

Joint Honours Curriculum in Finance and Another Subject

11.80.73 All students shall undertake a curriculum in Finance amounting to 40 credits chosen from the list of optional classes at Regulation 11.80.72. In addition, if the student elects to undertake the dissertation in Finance:

Level Credits

AG 436 Dissertation in Finance 4 40

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.74

to 11.80.80 (Numbers not used)

Principal Subject Curriculum in Hospitality and Tourism Management

11.80.81 Compulsory Classes Level Credits

SH 111 Introduction to Hospitality and Tourism

Management 1 20

MG 212 Destination Marketing Management 2 20

MG 211 Managing the Service Encounter 2 20

MG 314 Event Management and Working in the

Third Sector 3 20

MG 316 Internationalisation of Tourism Products

And Services 3 20

Single Honours Curriculum in Hospitality and Tourism Management

11.80.82 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MG 412 Dissertation in Hospitality and Tourism

Management 4 40

MG 417 Contemporary Issues in Management 4 20

Optional Classes

60 credits chosen from:

MG 423 Hositiality and Tourism Analysis:

Case Studies and Case Histories 4 20

SH 424 Being and Ethical Manager 4 20

MG 402 Management, Enterprise and the

Rise of the Global Economy 4 20

MG 418 Strategy and Leadership 4 20

Joint Honours Curriculum in Hospitality and Tourism Management and Another Subject

11.80.83 All students shall undertake a curriculum in Hospitality and Tourism amounting to 40 credits chosen from the list of optional classes at Regulation 11.80.82. In addition, if the student elects to undertake the dissertation in Hospitality and Tourism:

Level Credits

MG 412 Dissertation in Hospitality and Tourism

Management 4 40

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.84

to 11.80.90 (Numbers not used)

Principal Subject Curriculum in Human Resource Management

11.80.91 Compulsory Classes

HR 111 Managing People 1 20

HR 201 Managing Equality and Diversity 2 20

HR 207 Work Psychology 2 20

HR 208 Work Psychology for Human Resource

Management 2 20

HR303 Employment Relations 3 20

HR302 Work, Employement and Society 3 20

Single Honours Curriculum in Human Resource Management

11.80.92 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

HR 406 Human Resource Management Dissertation

and Research Methods 4 40

41 433 Human Resources in the Global Economy 4 20

HR 402 Perspectives on Work and Employment 4 20

HR 408 HRM and Employment Relations in Public

Services 4 20

41 402 Advanced Organisational Behaviour 4 20

Joint Honours Curriculum in Human Resource Management and Another Subject

11.80.93 All students shall undertake a curriculum in Human Resource Management amounting to 40 credits chosen from the list of optional classes at Regulation 11.80.92. In addition, if the student elects to undertake the dissertation in Human Resource Management:

Level Credits

HR 406 Human Resource Management Dissertation 4 40

and Research Methods

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.94

to 11.80.100 (Numbers not used)

Principal Subject Curriculum in Management

11.80.101 Compulsory Classes Level Credits

MG 112 Managing in a Global Context 1 20

MG 210 Understanding Change in Organisations 2 20

MG 209 Organisational Analysis and Strategy 2 20

MG318 Contemparary Trends in Management Practice 3 20

MG317 The Reflective Practicioner 3 20

Single Honours Curriculum in Management

11.80.102 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MG 417 Contemporary Issues in Management 4 20

MG 405 Dissertation in Management 4 40

Optional Classes

60 credits chosen from:

MG 418 Strategy and Leadership 4 20

MG 402 Management, Enterprise and the Rise of the

Global Corporation 4 20

MG 403 The Dynamics of Organising 4 20

SH 424 Being an Ethical Manager 4 20

Joint Honours Curriculum in Management and Another Subject

11.80.103 All students shall undertake a curriculum in Management amounting to 40 credits as follows:

Compulsory Class Level Credits

MG 417 Contemporary Issues in Management 4 20

Optional Classes

20 credits chosen from:

MG 418 Strategy and Leadership 4 20

MG 402 Management, Enterprise and the Rise of the

Global Corporation 4 20

MG 403 The Dynamics of Organising 4 20

SH 424 Being an Ethical Manager 4 20

In addition, if the student elects to undertake the dissertation in Management:

MG 405 Dissertation in Management 4 40

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.104

to 11.80.110 (Numbers not used)

Principal Subject Curriculum in Management Science

11.80.111 Compulsory Classes Level Credits

MS 111 Foundations of Business Analysis 1 20

MS 208 Consulting and Simulation 2 20

MS 309 Business Analysis and Consulting Projects 3 20

Optional Classes

40 credits chosen from:

MS 205 Information Systems in the Knowledge Economy 2 20

MS 207 Operations Management 2 20

MS 310 Supply Chain Management 3 20

Single Honours Curriculum in Management Science

11.80.112 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MS 420 Management Science 4 4 40

MS 424 Dissertation in Management Science 4 40

Optional Classes

60 credits chosen from

MS 421 Advanced Analytics for Business 4 20

MS 423 Modelling and Managing Service Operations 4 20

MS 415 Business Process Integration using ERP 4 20

MS 416 Business Analytics Using Data Mining 4 20

MS 418 Project Management 4 20

MS 422 Risk Analysis and Management 4 20

Joint Honours Curriculum in Management Science and Another Subject

11.80.113 All students shall undertake a curriculum in Management Science amounting to 40 credits chosen from the list of optional classes at Regulation 11.80.112. In addition, if the student elects to undertake the dissertation in Management Science:

Level Credits

MS 424 Project in Management Science 4 40

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.114

to 11.80.120 (Numbers not used)

Principal Subject Curriculum in Marketing

11.80.121

Compulsory Classes Level Credits

MK 111 Introduction to Marketing 1 20

MK 209 Understanding Consumers and Markets 2 20

MK 212 Services and Retail Marketing 2 20

MK329 Marketing Communication in the

Digital Age 3 20

MK328 Strategic Marketing in an International Context 3 20

Single Honours Curriculum in Marketing

11.80.122 Compulsory Classes Level Credits

MK 412 Brand Management 4 20

MK 414 Dissertation in Marketing 4 40

Optional Classes

60 credits chosen from

MK 409 Advances in Business-to-Business Marketing 4 20

MK 410 Advances in Consumer Behaviour Operations 4 20

MK 421 Managing Integrated Marketing Communications:

Theory and Practice 4 20

MK 415 International Business Management 4 20

MK 416 Managing Customer Relationships 4 20

MK 417 Supply Chain Management 4 20

MK 418 Social Marketing 4 20

MK 419 Sports Marketing 4 20

Joint Honours Curriculum in Marketing and Another Subject

11.80.123 All students shall undertake a curriculum in Marketing amounting to 40 credits as follows:

Compulsory Class Level Credits

MK 412 Brand Management 4 20

together with 20 credits from the list of optional classes in Regulation 11.80.122.

In addition, if the student elects to undertake the dissertation in Marketing:

MK 414 Dissertation in Marketing 4 40

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.124

to 11.80.130 (Numbers not used)

Principal Subject Curriculum in Business Law

11.80.131 Compulsory Class Level Credits

M9117 Business Law 1 20

Optional Classes

M9 212 EU Law 2 20

M9 305 Law, Film and Popular Culture 3 20

M9 308 Human Rights Law 3 20

M9 309 Employment Law 3 20

M9 310 Planning Law 3 20

M9 311 Banking Law and Finance 3 20

M9 313 Housing Law 3 20

M9 314 Intellectual Property 3 20

M9 352 Internet Law 3 20

M9 317 Public International Law 3 20

M9 318 Competition Law 3 20

M9 319 Discrimination Law 3 20

M9 338 Local Government Law 3 20

Joint Honours Curriculum in Business Law and Another Subject

11.80.132 All students shall undertake a curriculum in Business Law amounting to 40 credits the detail of which will be available no later than March 2011.

In addition, if the student elects to undertake the dissertation in Business Law:

LS 4XX Dissertation in Business Law 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.133

to 11.80.140 (Numbers not used)

Principal Subject Curriculum in Mathematics and Statistics

11.80.141

Compulsory Classes Level Credits

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 201 Linear Algebra and Differential Equations 2 20

MM 204 Probability and Statistical Interference 2 20

MM 302 Differential Equations 3 20

MM 304 Inference and Regression Modelling 3 20

Optional Classes

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

MM 206 Mathematical and Statistical Computing 2 20

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

Such other classes as may be approved by the Course Director.

Joint Honours Curriculum in Mathematics and Statistics and Another Subject

11.80.142 All students shall undertake a curriculum in Mathematics and Statistics amounting to 40 credits as follows:

Optional Classes Level Credits

MM 401 Communicating Mathematics and Statistics 4 20

**List A**

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 407 Applied Statistics in Society 4 20

List B\*\*\*

MM 403 Applicable Analysis 3 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\*\* Not all of these classes will be available every year

In addition, if the student elects to undertake the project in Mathematics and Statistics:

XX 4XX Project in Mathematics and Statistics 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.80.143

to 11.80.160 (Numbers not used)

Principal Subject Curriculum in Psychology

11.80.161

Compulsory Classes Level Credits

C8 105 Psychology 1A 1 20

C8 106 Psychology 1B 1 20

C8 201 Cognition and Neuropsychology 2 20

C8 202 Social and Health Psychology 2 20

C8 203 Introduction to Research Design and Analysis 2 20

C8 302 Research Methods in Psychology 3 20

Optional Classes

C8 306 Psychobiology 3 20

C8 307 Social Psychology 3 20

C8 303 Individual Differences 3 20

C8 304 Cognition 3 20

C8 305 Development 3 20

Joint Honours Curriculum in Psychology and Another Subject

11.80.162 All students shall undertake a curriculum in Psychology amounting to 40 credits as follows:

Optional Classes Level Credits

40 credits chosen from:

C8 403 Psychoanalytic Personality Psychology 4 20

C8 408 Developmental Psychopathology 4 20

C8 409 Forensic Psychology 4 20

C8 410 Human Performance 4 20

C8 411 Physiological Psychology 4 20

C8 412 Psychology and Education 4 20

C8 413 Qualitative Methodologies in Practice 4 20

C8 415 Social Development 4 20

C8 416 Artificial Intelligence 4 20

C8 430 Clinical Aspects of Memory 4 20

C8 432 Health Psychology 4 20

C8 445 Practical Aspects of Memory 4 20

C8 499 Perception and Action 4 20

41 402 Advanced Organisational Behaviour 4 20

Or, if the student elects to undertake the dissertation in Psychology:

C8 498 Dissertation in Psychology 4 20

And 40 credits chosen from the list of optional classes in Regulation 11.80.162

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

International Business

BA with Honours in International Business with (Principal Subject)

BA in International Business

Diploma of Higher Education in International Business

Certificate of Higher Education in International Business

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1.]

Status of the Courses

11.81.1 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.81.2The courses are available by full-time, part time and flexible delivery.

Place of Study

11.81.3 The course includes study in the third year at a Business School or equivalent in another country for at least one semester.

Principal Subject and Honours Requirements

11.81.9

Business Enterprise See Regulation 11.80.41 – 11.80.43

Business Technology See Regulation 11.80.51 – 11.80.53

Economics See Regulation 11.80.61 – 11.80.63

Finance See Regulation 11.80.71 – 11.80.73

Hospitality and Tourism Management See Regulation 11.80.81 – 11.80.83

Human Resource Management See Regulation 11.80.91 – 11.80.93

Management See Regulation 11.80.101 –11.0.103

Management Science See Regulation 11.80.111 – 11.80.113

Marketing See Regulation 11.80.121 – 11.80.123

Curriculum

First Year

11.81.10 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 101 Management Development Programme 1 1 20

MG 112 Managing in a Global Context 1 20

Optional Classes

60 credits chosen from:

AG 151 Introduction to Finance and Accounting 1 20

EC 111 Introduction to Economics 1 20

HR 111 Managing People 1 20

MK 111 Introduction to Marketing 1 20

MS112 Business Analysis and Technology 1 20

SH 111 Introduction to Hospitality and Tourism

Management 1 20

Z1 151 Entrepreneurship Theory and Practice 1 20

Elective Class(es) 20

Second Year

11.81.11 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 201 Management Development Programme 2 2 20

MG 213 International Business Analysis 2 20

Principal Subject 1 2 40

Principal Subject 2 2 40

Third Year

11.81.12 All students are normally required to undertake study abroad at an approved institution for the equivalent of one or two Strathclyde semesters, and shall follow an approved curriculum of 120 credits which shall normally include the equivalent of the following classes:

Compulsory Classes Level Credits

BF 301 Management Development Programme 3 3 20

MG 315 Managing Across Cultures and Frontiers 3 20

Principal Subject 1 3 40

Principal Subject 2 3 40

Fourth Year

11.81.13 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

MG 414 Issues and Trends in International Business

(Project) 4 40

Optional Classes

20 credits chosen from the following list

MG402 Management, Enterprise and the 4 20

Rise of the Global Economy (sem 1)

Z1405 International Entrepreneurship (sem 1) 4 20 MK415 International Business Management (sem 2) 4 20

MS417 Electronic Commerce (sem 1) 4 20

MS418 Project Management (sem 1) 4 20

41433 Human Resources in the

Global Economy (sem 1 & 2) 4 20

together with

40 credits in the chosen Principal Business subject

and

a 40 credit Dissertation in the chosen Principal Business subject, with an international focus.

Progress

11.81.14 In order to progress to the second year of the course, a student must have accumulated at least 120 credits from the course curriculum, including those for *MG 111 Foundations of Management and International Business* and the foundation classes for the intended Principal Subjects*.*

11.81.15 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum, including those for the class *BF 101 Management Development Programme 1* and the Level 2 compulsory classes relating to their chosen Principal Subjects.

11.81.16 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum including those for all compulsory classes and the Level 3 compulsory classes relating to their chosen Principal Subjects. A student must normally pass the exchange period.

Final Assessment and Honours Classification

11.81.17 On successful completion of the Honours year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.81.18 The final Honours classification for the degree of BA with Honours in International Business with (Principal Subject) will normally be based on the first assessed attempt at Level 4 classes taken in the fourth year.

Award

11.81.19 **BA with Honours:** In order to qualify for the award of the degree of BA with Honours in International Business with (Principal Subject), a candidate must have obtained no fewer than 480 credits from the course curriculum.

11.81.20 **BA with Honours (with International Study):** In order to qualify for the award of the degree of BA with Honours in International Business with International Study, a candidate must have obtained no fewer than 480 credits from the course curriculum.

11.81.21 **BA**: In order to qualify for the award of the BA in International Business*,* a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.81.22 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in International Business, a candidate must have accumulated no fewer than 240 credits from the course curriculum including those for the first and second year compulsory classes.

11.81.23 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in International Business, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.81.24

to 11.81.30 (Numbers not used)

International Business and Modern Languages

BA with Honours in International Business with Modern Languages

BA in International Business with Modern Languages

Diploma of Higher Education in International Business with Modern Languages

Certificate of Higher Education in International Business with Modern Languages

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.81.31 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.81.32The courses are available by full-time study only.

Place of Study

11.81.33 The course includes study in the fourth year at a Business School or in the workplace as part of an internship or equivalent in the country of the main chosen language.

Principal Subject and Honours Requirements

11.81.34 See Regulation 11.80.11.

Curriculum

First Year

11.81.35 Students studying 2 languages will be required to take 140 credits in the first year of study. Students studying 1 language will take 120 credits.

Compulsory Classes Level Credits

BF 101 Management Development Programme 1 1 20

MG112 Management in a Global Context 1 20

Optional Classes

Students studying 2 languages will choose 20 credits from the list below. Students studying 1 language will choose 40 credits from the list below:

AG 151 Introduction to Finance and Accounting 1 20

EC 111 Introduction to Economics 1 20

HR 111 Managing People 1 20

MK 111 Introduction to Marketing 1 20

MS112 Business Analysis and Technology 1 20

MS 151 Harnessing Technology for Business 1 20

SH 111 Introduction to Hospitality and Tourism

Management 1 20

Z1 151 Entrepreneurship Theory and Practice 1 20

And for students studying 2 languages, 80 credits in Modern Languages as approved by the Course Director

And for students studying 1 language, 40 credits in Modern Languages as approved by the Course Director

Elective Classes 20

Second Year

11.81.36 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 201 Management Development Programme 2 2 20

MG 213 International Business Analysis 2 20

Principal Subject 1 (Business) 2 40

And 40 credits in Modern Languages as approved by the Course Director.

Third Year

11.81.37 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 301 Management Development Programme 3 3 20

MG 315 Managing Across Cultures and Frontiers 3 20

Principal Subject 1 (Business) 3 40

And 40 credits in Modern Languages as approved by the Course Director.

Fourth Year

11.81.38 The fourth year will normally be spent at a Business School or equivalent in the country of the main language where the student will attend an approved set of classes or participate in alternative work tasks.

The dissertation in the Principal Business Subject, normally on a topic relevant to that country and required as a component of the Fifth Year curriculum (see Regulation 11.81.44), may be started in this year abroad.

Fifth Year

11.81.39 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MG 414 Issues and Trends in International Business 4 20

Principal Subject 1 (Business) 4 40

And 40 credits in Modern Languages as approved by the Course Director

together with

a 40 credit Dissertation in the chosen Principal Business subject, with an international focus

Progress

11.81.40 In order to progress to the second year of the course, a student must have accumulated at least 120 credits from the course curriculum, including those for the class *MG 111 Foundations of Management and International Business* and the Level 1 classes for the intended Principal Subjects*.*

11.81.41 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum, including those for the class *BF101 Management Development Programme 1* and the Level 2 compulsory classes relating to their chosen Principal Subjects.

11.81.42 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum including those for all the compulsory classes and the Level 3 compulsory classes relating to their chosen Principal Subjects and have achieved a satisfactory performance in the third year.

Final Assessment and Honours Classification

11.81.43 On successful completion of the Honours year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.81.44 The final Honours classification for the degree of BA with Honours in International Business with a Modern Languagewill normally be based on:

(i) the first assessed attempt at Level 4 classes taken in the fourth year;

(ii) the oral Modern Language examination

(ii) if appropriate, an oral examination.

Award

11.81.45 **BA with Honours:** In order to qualify for the award of the degree of BA with Honours in International Business with Modern Languages, a candidate must have obtained no fewer than 480 credits from the course curriculum.

11.81.46 **Distinction in the Spoken Language:** A candidate who qualifies for the award of a BA with Honours in International Business with Modern Languages degree and who has, according to prescribed criteria and in the opinion of the Honours Board of Examiners, attained a high level of performance in the oral examination may be awarded the Honours degree with distinction in the spoken language.

11.81.47 **BA with Honours (with International Study):** In order to qualify for the award of the degree of BA with Honours in International Business with Modern Languages with International Study, a candidate must have obtained no fewer than 480 credits from the course curriculum.

11.81.48 **BA:** In order to qualify for the award of the BA in International Business with Modern Languages, a candidate must have accumulated no fewer than 360 credits including those for the first, second and third year compulsory classes.

11.81.49 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in International Business with Modern Languages, a candidate must have accumulated no fewer than 240 credits including those for the first and second year compulsory classes.

11.81.50 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in International Business with Modern Languages, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.81.51 Transfer to the BA in *Principal Subject(s))* or the BA in International Business will be considered for students who fail to satisfy the Board of Examiners in the Modern Language. For avoidance of doubt, the BA in Business is not used for the title of an award.

Business Studies

Bachelor of Business Studies with Honours *(in named specialism)*

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1.]

**Admission**

11.82.1 Admission to the course shall normally be to applicants who hold appropriate qualifications that would allow entry into the Second Year.

Students will be awarded RPL equivalent to 120 credits at Level 1.

11.82.2 In all cases, applicants, whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

Status of the Course

11.82.3 The course is offered at Honours level only. Students will choose a major and minor specialism prior to the start of the third year.

Mode of Study

11.82.4The course is available by full-time study only.

Place of Study

11.82.5 The course is taught at the SKIL Centre, India. Semester 1 or 2 of the Third Year must normally be undertaken at the John Anderson Campus of the University of Strathclyde.

**Course Structure**

11.82.6 Prior to the start of third year students will choose a major and minor specialism as follows:

either

Operations Management

or

International Finance

or

Organisational Management

or

International Marketing.

In the fourth year, students shall undertake classes amounting to 40 credits in their major specialism and 20 in their minor specialism.

Curriculum

First Year

11.82.7 The first year is not taught as part of the course.

Second Year

11.82.8 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AG 214 Business Accounting and Finance 2 20

EC 211 Business Economics 2 20

MG 208 Management in a Global Context 2 20

HR 206 Organizational Behaviour 2 10

Xx xxx International Marketing and Markets 2 10

Xx xxx Operations Management 2 10

Xx xxx Principles of Management 2 10

Xx xxx Principles of Organisation 2 10

Xx xxx Business Communication 2 10

Xx xxx Business Statistics 2 10

Third Year

11.82.8 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

Xx xxx The International Manager 3 20

Z1 211 New Venture Creation 3 20

MG 305 Stategic Management 3 20

Optional Classes

60 credits, including no fewer than 20 in each of the two specialisms, chosen from Level 3 classes offered by the Strathclyde Business School.

Fourth Year

11.82.9 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

Xx xxx Research Methods and Project 4 40

BF 404 Issues and Trends in Business and Management 4 20

Optional Classes

60 credits including 40 from the major specialism and 20 from the minor specialism chosen from:

Xx xxx Advanced Operations Management 1 4 20

Xx xxx Advanced Operations Management 2 4 20

Xx xxx Advanced International Finance 1 4 20

Xx xxx Advanced International Finance 2 4 20

41 432 Advanced Organisation Behaviour 4 20

Xx xxx Advanced Organisational Management 2 4 20

Xx xxx Advanced International Marketing 1 4 20

Xx xxx Advanced International Marketing 2 4 20

Progress

11.82.10 In order to progress to the third year of the course, a student must have accumulated at least 240 credits including 120 from the course curriculum,

11.82.11 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits including 240 from the course curriculum.

Final Assessment and Honours Classification

11.82.12 On successful completion of the Honours year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.82.13 The final Honours classification for the degree of Bachelor of Business Studies with Honours will normally be based on the first assessed attempt at Level 4 classes taken in the fourth year.

Award

11.82.14 **BA with Honours:** In order to qualify for the award of the degree of Bachelor of Business Studies with Honours *(in named specialism)*, a candidate must have accumulated no fewer than 480 credits including 360 from the course curriculum.

11.82.15 to

11.82.39 (number not used)

Bachelor of Business Administration with Honours *(in named specialism)*

BBA of Bachelor Administration

**Diploma of Higher Education in Business Administration**

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1.]

**Admission**

11.82.40 Admission to the course shall normally be to applicants who hold appropriate qualifications that would allow entry into the Second Year.

Students will be awarded RPL equivalent to 120 credits at Level 1.

11.82.41 In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

Status of the Course

11.82.42 The course is offered at Honours level only.

Mode of Study

11.82.43The course is available by full-time study only.

**Course Structure**

11.82.44 Prior to the start of third year students will choose a specialism from which they take at least 40 credits in both their third and fourth year.

Curriculum

First Year

11.82.45 The first year is not taught as part of the course.

Second Year

11.82.46 All students shall undertake classes amounting to 120 credits as follows

Compulsory Classes Level Credits

BF 200 Leadership Development Programme 1 2 20

EC 214 Economics and Finance 2 20

And 60 credits chosen from:

Optional Classes Level Credits

MS 209 Business Analysis & Supporting Technologies 2 20

Z1 216 Entrepreneurship: Opportunities and Ventures 2 20

MK 208 Consumer Behaviour in a Global Context 2 20

HR 206 Organizational Behaviour 2 20

MG 214 Hospitality and Tourism Management:

An Introductory Synthesis 2 20

And

20 credits from the relevant subject specialism classes, listed below:

EC 213 Macroeconomics 2

HR 207 Work Psychology for HRM

MS 211 Managing Business Processes and Information Systems

MK 212 Services and Retail Marketing

Z1 218 New Venture Planning\*

MG 211 Destination Marketing and Management\*

Third Year

11.82.47 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 302 Leadership Development Programme 2 3 20

MG 318 Contemporary Trends in Management Practice 3 20

AND Either

Z1 218 New Venture Planning 3 20

OR

Z1 217 Creativity and Innovation Management 3 20

Optional Classes

60 credits at Level 3chosen from classes offered by the Strathclyde Business School, subject to the approval of the Course Director. No fewer than 40 credits must be taken in their chosen specialism.

Fourth Year

11.82.48 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MG 414 Issues and Trends in Business and Management 4 20

MG 417 Contemporary Issues in Management 4 20

together with a 40 credit Dissertation in the chosen Principal Business subject

OR for those without a specialism:

BF 402 BBA Dissertation 4 40

and 40 credits from Level 4 classes offered by the Strathclyde Business School listed in regulation 11.80 subject to the approval of the Course Director, including 40 credits for subject specialism.

Progress

11.82.49 In order to progress to the third year of the course, a student must have accumulated at least 240 credits.

11.82.50 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits.

Final Assessment and Honours Classification

11.82.51 On successful completion of the Honours year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.82.52 The final Honours classification for the degree of Bachelor of Business Administration with Honours will normally be based on the first assessed attempt at Level 4 classes taken in the fourth year.

Award

11.82.53 **BBA with Honours:** In order to qualify for the award of the degree of Bachelor of Business Administration with Honours *(in named specialism)*, a candidate must have obtained no fewer than 480 credits.

11.82.54 **BA:** In order to qualify for the award of the BA in Business Administration, a candidate must have accumulated no fewer than 360 credits including those for the second and third year compulsory classes.

11.82.55 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Business Administration *(in named specialism),* a candidate must have accumulated no fewer than 240 credits including those for the second year compulsory classes.

11.82.56 to

11.89 (numbers not used)

Validated Courses

11.90 Business

Diploma of Higher Education (Business)

Certificate of Higher Education (Business)

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.90.1 In addition to the requirements of Regulation 2, applicants will normally be required to attend for interview as part of the selection process. Direct entry to the Diploma may be permitted subject to approval of the Board of Study on the recommendation of the Course Director. In such cases, account will be taken of prior learning. Where direct entry to the Diploma is permitted, the student will be granted an appropriate number of credits by the Board of Study on the recommendation of the Course Director.

Status of the Courses

11.90.2 All students are normally admitted in the first instance as potential Diploma students.

Mode of Study

11.90.3 The courses are available by full-time study only.

**Place of Study**

11.90.4 The courses are taught at the City of Glasgow College

**Curriculum**

**First Year**

11.90.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CC 121 Psychology 1A 1 20

CC 122 Introduction to Marketing 1 20

CC 123 Managing People 1 20

CC 124 Introduction to Economics 1 20

CC 125 Business Law 1 20

CC 126 Information Technology 1 10

CC 127 Statistics 1 10

**Second Year**

11.90.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

CC 217 Management Development Programme 2 2 20

Optional Classes

40 credits in two of the Principal Subjects below:

*Marketing*

CC254 Understanding Consumers and Markets 3 20

CC253 Services and Retail Marketing 3 20

AND

20 credits from the following list of electives:

CC 209 Work Psychology for HRM 2 20

CC 210 Work Psychology 2 20

CC 216 Discrimination Law 2 20

CC 208 Employment Law 2 20

CC 215 EU Law 2 20

*Human Resource Management*

CC 209 Work Psychology for HRM 2 20

CC 210 Work Psychology 2 20

AND

20 credits from the following list of electives:

CC254 Understanding Consumers and Markets 3 20

CC253 Services and Retail Marketing 3 20

CC 216 Discrimination Law 2 20

CC 208 Employment Law 2 20

CC 215 EU Law 2 20

*Business Law*

CC 216 Discrimination Law 2 20

CC 208 Employment Law 2 20

AND

20 credits from the following list of electives:

CC254 Understanding Consumers and Markets 3 20

CC253 Services and Retail Marketing 3 20

CC 209 Work Psychology for HRM 2 20

CC 210 Work Psychology 2 20

CC 215 EU Law 2 20

Progress

11.90.7 In order to progress to the second year of the course, a student must normally have accumulated no fewer than 120 credits from the course curriculum.

Award

11.90.8 **Diploma of Higher Education**: In order to qualify for the award of the Diploma of Higher Education (Business), a student must have accumulated no fewer than 240 credits from the course curriculum.

11.90.9 **Certificate of Higher Education**: In order to qualify for the award of the Certificate of Higher Education (Business), a student must have accumulated no fewer than 120 credits from the course curriculum.

Transfer

11.90.10 A student who has accumulated no fewer than 240 credits from the course curriculum, including those for all the compulsory classes, and who is deemed to have achieved an appropriate standard of performance, may be permitted to transfer to the third year of the BA degree course in the Strathclyde Business School.

11.91

to 11.119 (Numbers not used)

Faculty of Humanities and Social Sciences

11.120 Faculty Courses

Arts and Social Sciences

BA with Honours in (Principal Subject(s))

BA in Arts and Social Sciences

Diploma of Higher Education in Arts and Social Sciences

Certificate of Higher Education in Arts and Social Sciences

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.120.1 Regulation 2 shall apply.

Status of the Courses

11.120.2 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.120.3 The courses are available by full-time and part-time study.

Place of Study

11.120.4 Certain subjects, such as Geography, History, Modern Languages and Psychology, may require study outwith the University.

Course Structure (Full-time Study)

11.120.5 At Level 1, all full-time students shall undertake a curriculum which shall normally amount to 120 credits. At the end of the first year, all students shall choose two subjects from this curriculum for further study. These shall be known as the First and Second Principal Subjects.

In order to take a Principal Subject, a student must normally have obtained a pass in the Level 1A and 1B classes for that subject.

11.120.6 Over the second and third years of study, all students shall undertake a curriculum which centres on the two Principal Subjects and must include a minimum of 60 credits at Level 3. A First Principal Subject shall comprise no fewer than 60 credits at Level 2 and 60 credits at Level 3 and a Second Principal Subject comprising no fewer than 60 credits at Level 2. In addition, students shall undertake a further 40 credits in either their First or Second Principal Subjects; the remaining 20 credits may be chosen from either their First or Second Principal Subjects or from elective class(es).

11.120.7 All students wishing to be considered for admission to Honours should consult specific subject Honours selection criteria in choosing their second and third year curriculum.

Students wishing to be considered for

(i) a Single Honours degree must normally study that subject to the level of a First Principal Subject.

(ii) Joint Honours degree must normally undertake no fewer than 120 credits in each of their Principal Subjects.

(iii) a Major/Minor Honours degree must normally undertake no fewer than 120 credits in the Major Subject and no fewer than 100 in the Minor

11.120.8 The credits for a class may count towards the credit requirements for one of the Principal Subjects only.

Subject to the prior approval of the Board of Study or the Board’s nominee in a particular session, classes offered by the University of Glasgow may be taken in place of classes offered by the Faculty of Humanities and Social Sciences.

Principal Subject and Honours Specialisation Requirements

11.120.9

English See Regulations 11.120.41 – 11.120.45

Geography See Regulations 11.120.51 – 11.120.56

History See Regulations 11.120.61 – 11.120.65

Journalism and Creative Writing See Regulation 11.120.71 – 11.120.72

Law See Regulation 11.120.81 – 11.120.84

Modern Languages (French,   
Italian and Spanish) See Regulations 11.120.91 – 11.120.97

Politics See Regulations 11.120.101 – 11.120.105

Psychology See Regulations 11.120.111 – 11.120.117

Sociology See Regulations 11.120.121 – 11.120.126

Economics See Regulations 11.120.131 – 11.120.133

Hospitality and Tourism See Regulation 11.120.141 – 11.120.142

Human Resource Management See Regulation 11.120.151 – 11.120.152

Marketing See Regulation 11.120.161 – 11.120.162

Mathematics See Regulations 11.120.171 – 11.120.171

**Permissible Combinations of Subjects for Pass and Honours Degrees**

11.120.10 Principal Subjects are normally available in the following combinations:

English

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| H | French | | | | |
| H | H | Geography | | | |
| H | H | H | History | | |
| H | H | H | H | Italian | | | |
| H | H | H | H | H | Journalism and Creative Writing | | | | | | | | | | |
| H | H | H | H | H | H | | Law | | | | |
| H | H | H | H | H | H | | H | | Politics | | | | | |
| H | H | H | H | H |  | | H | | H | Psychology | | | | |
| H | H | H | H | H | H | | H | | H | H | Sociology | | | |
| H | H | H | H | H | H | | H | | H | H | H | | Spanish | | | | |
|  |  |  |  |  |  | |  | |  |  |  | |  | *Non HaSS Subjects* | | | | |
| P | H | H | H | H | H | | H | | H | H | H | | H | Economics | | | | |
| H | H | H | H | H | H | | H | | H | H | H | | H | Human Resource Management | | | | |
|  | H |  |  | H |  | |  | |  |  |  | | H | Marketing | | |
|  |  | P |  |  |  | |  | | P | H |  | |  | Mathematics | | |
|  | H | H |  | H |  | |  | |  |  |  | | H | Hospitality and Tourism | | | | |

*H Combinations which may be taken for Honours and for the Ordinary degree*

*P Combinations which may not be continued beyond Ordinary degree level.*

Single Honours degrees are available in the following Principal Subjects:

English

Geography

History

Politics

Psychology

Sociology

Curriculum (Full-time Study)

First Year

11.120.11 Beginning in session 2013-14 all students who would have been admitted into First Year under these regulations will be admitted under the new regulations for the BA Honours in Humanities and Social Sciences.

Second Year

11.120.12 All full-time students shall undertake classes amounting to 120 credits as follows:

Level Credits

First Principal Subject 2 60

Second Principal Subject 2 60

Third Year

11.120.13 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

First Principal Subject 3 60

Optional Classes

No fewer than 60 credits chosen from:

either

First Principal Subject 3 40

or

Second Principal Subject 3 40

together with

either

First Principal Subject 20

or

Second Principal Subject 20

or

Elective Class(es) 20

Classes at Levels 2 and 3 and Principal Subject Requirements

11.120.14

Available as First or Second Principal Subjects

English See Regulation 11.120.41

Geography See Regulation 11.120.52

History See Regulation 11.120.61

Journalism and Creative Writing See Regulation 11.120.71

Law See Regulation 11.120.81

Modern Languages: (French, Italian and Spanish) See Regulation 11.120.91

Politics See Regulation 11.120.101

Psychology See Regulation 11.120.112

Sociology See Regulation 11.120.121

Non-HaSS Principal Subjects

Economics See Regulation 11.120.131

Hospitality and Tourism See Regulation 11.120.141

Human Resource Management See Regulation 11.120.151

Marketing See Regulation 11.120.161

Mathematics and Statistics See Regulation 11.120.171

Joint and Major/Minor Honours

11.120.15 All full-time students shall undertake classes amounting to 120 credits at Level 4 which meet the specialisation requirements for both subjects. Students studying a curriculum that includes Economics, Human Resource Management or Hospitality and Tourism can opt to undertake a 20 credit dissertation in one of these subjects. Curriculum restrictions may apply – see relevant subject regulations below. Students studying other non-HaSS subjects to joint honours level must undertake their dissertation in the HaSS subject.

Ordinary Degree Structure (Part-time Study)

11.120.16 The full-time BA degree course of study may be taken on a part-time basis. Students may transfer, at the discretion of the Board of Study, from full-time study to part-time, and vice versa. Each year of part-time study shall normally comprise 60 credits from the classes required for full-time study.

Progress

11.120.17 A student who fails a class which is not a compulsory requirement for the progression in a Principal Subject, may be permitted to take an appropriate substitute class.

11.120.18 A student who has been excluded from the degree examinations in a class in any one year, but has nevertheless satisfied the relevant progress regulations, shall be required to re-attend the class.

Progress (Full-time Study)

11.120.19 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum including those for the Level 1 classes for the intended Principal Subjects.

11.120.20 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum and have satisfied the requirements relevant to their chosen Principal Subjects.

11.120.21 In order to progress to the fourth year of the course, a student must normally have accumulated no fewer than 360 credits from the course curriculum and met the threshold criteria for admission to Honours in the particular subject(s).

Progress (Part-time Study)

11.120.22 In any year of study, students must normally pass all classes taken.

11.120.23 Progress regulations as defined for full-time study shall be applicable normally after periods of 120 credits.

Final Honours Classification

11.120.24 On successful completion of the fourth year, a candidate will be awarded the Level 4 credits corresponding to the classes taken.

11.120.25 The final Honours classification will normally be based on

(i) the first assessed attempt at compulsory and specified optional classes taken in the Honours year and, as appropriate, in the third year;

(ii) if appropriate, an oral examination.

Award

11.120.26 **BA with Honours**: In order to qualify for the award of the BA with Honours in *(Principal Subject(s))*, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.120.27 *For Modern Language students only:* ***Distinction in the Spoken Language:*** *A candidate who qualifies for the award of the degree of BA with Honours in Modern Languages or BA with Honours in a Modern Language with another subject and who has, according to prescribed criteria and in the opinion of the BA Honours Board of Examiners, attained a high level of performance in the oral examination may be awarded the Honours degree with Distinction in the Spoken Language.*

11.120.28 **BA:** In order to qualify for the award of the BA in Arts and Social Sciences, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.120.29 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Arts and Social Sciences, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.120.30 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Arts and Social Sciences, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.120.31

to 11.120.40 (Numbers not used)

Principal Subject and Honours Requirements

Specialisation in English

Principal Subject Curriculum in English

11.120.41 Students taking English as a Principal Subject shall undertake a curriculum in English as follows:

English as a First Principal Subject

Compulsory Classes

QQ 264 Renaissance Literature 2 20

QQ 265 Literature, Criticism, Theory 2 20

QQ 266 Enlightenment to Romanticism 2 20

QQ 607 Victorian Literature 3 20

QQ 608 Twentieth Century Literature 3 20

Optional Classes

20 credits chosen from:

ES 734 Postcolonial Literatures 3 20

P3 625 Literary Journalism 3 20

QQ 302 Order and Nature in Renaisssance Writing 3 20

QQ 303 Labouring-Class Poetry in the Long

Eighteenth Century 3 20

QQ 304 Sin in Renaissance Drama 3 20

QQ 305 Arthurian Legend from Monmouth to Monty

Python 3 20

QQ 607 Victorian Literature 3 20

QQ 608 Twentieth Century Literature 3 20

QQ 609 America in the 1920s 3 20

QQ 610 Style 3 20

QQ 611 Shakespeare: From Comedy to History Play 3 20

QQ 612 The Sexed Self: Gender, Sexuality,

Autobiography 3 20

QQ 613 Scottish Literature: 1770-1914 3 20

QQ 614 Meaning in Literature 3 20

QQ 615 Language and Society 3 20

QQ 616 The Glasgow Novel 3 20

QQ 617 Literature in the First World War 3 20

QQ 618 Detective Fiction 3 20

QQ 622 Children’s Literature 3 20

QQ 623 Reading Poetry 3 20

QQ 624 Journalism and Popular Culture 3 20

QQ 626 Directing in the Theatre 3 20

QQ 627 From Greek Theatre to the National Theatre of

Scotland 3 20

QQ 628 20th Century Scottish Drama 3 20

*English as a Second Principal Subject*

Compulsory Classes

QQ 264 Renaissance Literature 2 20

QQ 265 Literature, Criticism, Theory 2 20

QQ 266 Enlightenment to Romanticism 2 20

Single Honours Curriculum in English

11.120.42 All students shall undertake a curriculum in English as follows:

Compulsory Class Level Credits

QQ 701 Dissertation in English 4 20

Optional Classes

100 credits chosen from:

P3 724 The Journalism of War 4 20

P3 728 Ethical Issues in Journalism 4 20

QQ 403 Animals and the Writing of Fiction 4 20

QQ 404 Women Writing Revolution 4 20

QQ 405 Introduction to Digital Humanities 4 20

QQ 406 Global Modernisms 4 20

QQ 408 Classical Literature in Translation 4 20

QQ 409 Resource Literature 4 20

QQ 410 Contemporoary Travel Writing 4 20

QQ 411 Philosophy and Literature: The Science of Man 4 20

QQ 702 Journeys and Travel Writing 4 20

QQ 703 Time Represented and Experienced 4 20

QQ 704 The Sound of Poetry 4 20

QQ 707 Shakespeare: From Tragedy to Tragicomedy 4 20

QQ 708 Shakespeare and Language 4 20

QQ 709 Screen Adaptation 4 20

QQ 710 Scottish Literary Modernism 4 20

QQ 711 Oral Narratives and Fairytales 4 20

QQ 712 The Nineteen Thirties: Literature and Culture 4 20

QQ 713 Language and Media 4 20

QQ 714 Victorian Gothic 4 20

QQ 715 An Introduction to Gay and Lesbian Literature 4 20

QQ 716 Experimental Literatures 4 20

QQ 717 La Belle Epoque: Edwardian Literature and

Culture, 1900-1914 4 20

QQ 718 Transatlantic Comic Writing 1900-1950 4 20

QQ 720 Philosophy and Science in the Enlightenment 4 20

QQ 721 Vladimir Nabokov – Two Great Novels 4 20

QQ 722 Cultures of Transgression 4 20

QQ 723 Media and Literary Publics 4 20

QQ 725 The Dramatic Work in Performance 4 20

QQ 726 Literary Snobbery 4 20

QQ 727 Present-day Victorians 4 20

QQ 729 Studio Theatre Performance 4 20

Major Honours Curriculum in English with Another Subject

11.120.43 All students shall undertake a curriculum in English as follows:

Compulsory Class Level Credits

QQ 701 Dissertation in English 4 20

Optional Classes

60 credits chosen from the list of optional classes in Regulation 11.120.42.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in English and Another Subject

11.120.44 All students shall undertake a curriculum in English as follows:

Optional Classes Level Credits

Either

60 credits chosen from the list of optional classes in Regulation 11.120.42.

Or

QQ 701 Dissertation in English 4 20

and 40 credits chosen from Regulation 11.120.42

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in English with Another Subject

11.120.45 All students shall undertake a curriculum in English as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.120.42.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.46

to 11.120.50 (Numbers not used.)

Specialisation in Geography

11.120.51 All students taking any class or classes in Geography are normally required to attend as an essential part of the course:

(i) Laboratory practicals including submission of laboratory work as required; and

(ii) Field courses and excursions, as appropriate to their level of study.

Principal Subject Requirements

11.120.52 Students taking Geography as a Principal Subject shall undertake a curriculum in Geography as follows:

*Geography as a First Principal Subject*

Compulsory Classes Level Credits

L7 205 Geographies of Globalisation 2 20

L7 207 Practising Human Geography 2 20

L7 208 Geographies of Mobility and Knowledge 2 20

L7 315 Geographical Project 3 20

Optional Classes

40 credits chosen from:

L3 366 Nationalism, Identity and Culture 3 20

L3 367 Space, Resistance and Power 3 20

L3 369 Globalisation and Anti-globalisation 3 20

L7 316 Resources, Environment and Development 3 20

L7 317 Urban Historical Geography 3 20

L7 318 Cultural Geography 3 20

L7 364 State Spaces 3 20

L7 365 Forced Migration 3 20

L7 368 Global Economy, Neoliberal Economy 3 20

P3 363 Media and Society 3 20

L7 369 Twentieth Century Technologies 3 20

L7 321 Geography of Gender 3 20

L7 319 Geographies of Environmental Change 3 20

L7 320 Rural Geography 3 20

L7 322 Geographies of Identity 3 20

X7301 Geographies of the Body and Embodiment 3 20

*Geography as a Second Principal Subject*

Compulsory Classes

L7 205 Geographies of Globalisiation 2 20

L7 207 Practicing Human Geography 2 20

L7 208 Geographies of Mobility and Knowledge 2 20

Single Honours Curriculum in Geography

11.120.53 All students shall undertake a curriculum in Geography as follows:

Compulsory Class Level Credits

Class

L7 420 Dissertation in Geography 4 20

Optional Classes

100 credits chosen from:

L3 405 Technology and Society 4 20

L3 463 Urban Civility and Conflict 4 20

L3 464 Hazards, Risk and Society 4 20

L3 466 Environment and Society 4 20

L7 416 Agriculture and Environment in Africa 4 20

L7 417 Advanced Urban Geography 4 20

L7 418 Applied Urban Geography 4 20

L7 419 Geographies of Social Class 4 20

L7 467 Diaspora and Transnationalism 4 20

P3 465 Communicating ‘Terrorism’ and War 4 20

L3 469 Nationalism, Ethnicity & ‘Race’: From Identity to

Politics 4 20

L7 421 Economics Geography 4 20

L7 422 History of Geographical Thought 4 20

L7 423 Natural Hazards 4 20

L7 473 Modernism and Planning 4 20

L7 404 Dead Geographies 4 20

Major Honours Curriculum in Geography with Another Subject

11.120.54 All students shall undertake a curriculum in Geography as follows:

Compulsory Class Level Credits

L7 420 Dissertation in Geography 4 20

Optional Classes

60 credits chosen from the list of optional classes in Regulation 11.120.53.

Joint Honours Curriculum in Geography and Another Subject

11.120.55 All students shall undertake a curriculum in Geography as follows:

Optional Classes

either

60 credits chosen from the list of Optional Classes in Regulation 11.120.53.

or

L7 420 Dissertation in Geography 4 20

and 40 credits chosen from the list of Optional Classes in Regulation 11.120.53.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Geography with Another Subject

11.120.56 All students shall undertake a curriculum in Geography as follows:

Optional Classes

40 credits chosen from the list of Optional Classes in Regulation 11.120.53.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.57

to 11.120.60 (Numbers not used)

Specialisation in History

Principal Subject Requirements

11.120.61 Students taking History as a Principal Subject shall undertake a curriculum in History as follows:

History as a First Principal Subject

Compulsory Class Level Credits

V1 326 Historiography and Research Methods 3 20

Optional Classes

100 credits chosen from:

*Scottish History*

V1 202 Scotland, 1603-1707 2 20

V1 214 History of Scotland, 1700-1832 2 20

V1 215 History of Scotland, 1832-1914 2 20

V1 327 History of Irish Society, 1660-1850 3 20

V1 328 Jacobitism, 1688-1788 3 20

V1 332 Scotland and the Americas in the Seventeenth

Century 3 20

V1 333 Scotland’s ‘Highland Problem’?: Crown-Clan 3 20

V1 334 Scottish Society since 1914 3 20

V1 337 The Covenanters and the British Civil Wars,

c1637-51 3 20

V1 377 Youth in Post-war Britain 3 20

V1 378 Oral History: Theory and Practice 3 20

V1 220 Scotland 1469-1603 Renaissance and 3 20

Reformation

*International History*

V1 211 Aristocracy to Democracy: Politics in Britain,

1815-1918 2 20

V1 212 Cultures of Empire: The British Experience 2 20

V1 216 History of the United States of America since

1877 2 20

V1 217 Modern Europe 2 20

V1 303 France at War, 1870-1962 3 20

V1 304 The American West 3 20

V1 308 Scotland’s Highland Problem: Crown-Clan

Relations in the Sixteenth Century 3 20

V1 320 Bombers and Mash: Britain and the Home Front,

1939 – 1945 3 20

V1 322 Cold War Europe, 1945-1991 3 20

V1 323 Communism in Practice: the Case of

Czechoslovakia 3 20

V1 325 From Samurai to Entrepreneurs: The Birth of

Modern Japan 3 20

V1 330 Propaganda and War in the Twentieth Century 3 20

V1 335 Slavery in World History 3 20

V1 336 Society and Politics in Colonial India: 1880s-1947 3 20 V1 389 Cold War Europe, 1945-1991 3 20

V1 390 Sub-Saharan Africa and British Imperialism since

1800 3 20

V1 391 Empires and India: South Asia, 1526-1857 3 20

V1 393 Competing Nationalisms and Inter-State Conflicts

in the Middle East: 1900-1973 3 20

V1 394 Madness & Society: Ancient to Present 3 20

*Science, Technology and Medicine*

V1 213 Disease and Society: An Introduction to the

History of Medicine 2 20

V1 218 Science, Technology and the Making of the

Modern World 2 20

V1 324 Dangerous Drugs and Magic Bullets: Social

History of Medicines, 1800 – 2000 3 20

V1 338 The Victorian Mind 3 20

V1 392 Medicine and Warfare in the Twentieth Century 3 20

History as a Second Principal Subject

Optional Classes

60 credits chosen from the list of optional classes above.

Single Honours Curriculum in History

11.120.62 All students shall undertake a curriculum in History as follows:

Compulsory Class Level Credits

V1 913 Dissertation in History 4 20

Optional Classes

100 credits chosen from the lists below including at least 40 credits from List A and 60 credits from List B.

List A: Special Subjects (classes must be taken in pairs as indicated)

V1 409 The Scramble for the Middle East 1: Arab   
 Nationalism, Zionism and European Colonial   
 Powers, 1914-1939 4 20

and

V1 410 The Scramble for the Middle East 2: Arab   
 Nationalism, Zionism and European Colonial   
 Powers, 1914-1939 4 20

V1 412 Becoming British? Scotland, England and Ireland,   
 in the Sixteenth Century 1 4 20

and

V1 413 Becoming British? Scotland, England and Ireland,  
 In the Sixteenth Century 2 4 20

V1 414 Rule Britannia?: The Monarchy and Anti-  
 Monarchism in Victorian Britain 1 4 20

and

V1 415 Rule Britannia?: The Monarchy and Anti-  
 Monarchism in Victorian Britain 2 4 20

V1 425 Scandals and Ethics 1: The History of Pharmacy 4 20

and

V1 426 Scandals and Ethics 2: The History of

Pharmaceuticals 4 20

V1 427 Britain, France and European Unity 1: 1945-1956 4 20

and

V1 428 Britain, France and European Unity 2: 1957-1973 4 20

V1 429 The 1707 Act of Union in a British and European

Context 1 4 20

and

V1 430 The 1707 Act of Union in a British and European

Context 2 4 20

V1 435 The United States between the Wars 1: World   
 War One and the Prosperity Decade 4 20

and

V1 436 The United States Between the Wars 2: The   
 Great Depression and the New Deal 4 20

V1 438 Science, Medicine and European Imperialism 1 4 20

and

V1 439 Science, Medicine and European Imperialism 2 4 20

V1 442 Securing the Union 1: Scotland and Empire,

1707-53 4 20

and

V1 443 Securing the Union 2: Scotland and Empire,

1707-53 4 20

V1 444 The Price of Health Care: The UK, Canada and

USA, since 1800: 1 4 20

and

V1 445 The Price of Health Care: The UK, Canada and

USA, since 1800: 2 4 20

V1 446 Scotland and Britain 1: The Development of   
 Scottish and British National Identities in   
 Scotland from c1707 to c1850 4 20

and

V1 447 Scotland and Britain 2: The Development of   
 Scottish and British National Identities in   
 Scotland since c1850 4 20

V1 454 Britain’s Home Front: Myths and Memories of 4 20  
the People’s War 1

and

V1 455 Britain’s Home Front: Myths and Memories of 4 20  
the People’s War 2

V1 915 Twentieth Century Czechoslovakia 1: 1918-1948 4 20

and

V1 916 Twentieth Century Czechoslovakia 2: 1948-1993 4 20

V1 941 Imperialism, Politics and Society in Britain 1:  
 1870–1914 4 20

and

V1 942 Imperialism, Politics and Society in Britain 2:   
 1870–1914 4 20

V1 944 Social History of Work, 1880–1951 1:   
 Perspectives 4 20

and

V1 945 Social History of Work, 1880–1951 2: Primary   
 Sources 4 20

V1 951 Madness in the Modern World 1 4 20

and

V1 952 Madness in the Modern World 2 4 20

List B: Honours Classes\*

V1 404 France at War, 1870-1962 4 20

V1 405 Scottish Society since 1914 4 20

V1 406 Cold War Europe 1945-1991 4 20

V1 407 Bombers and Mash: Britain and the Home   
 Front, 1939 – 1945 4 20

V1 408 Woman and the Family in Early Modern Scotland 4 20

V1 416 The Patriarchal Family in Early Modern Scotland 4 20

V1 419 Scotland’s ‘Highland Problem’?: Crown-Clan   
 Relations in the Sixteenth Century 4 20

V1 420 Living under a Dictator: Politics and Society in   
 Fascist Italy 4 20

V1 422 The Victorian Mind 4 20

V1 423 Scotland and the Americas in the Seventeenth

Century 4 20

V1 424 The Covenanters and the British Civil Wars,

c1637-51 4 20

V1 431 Communism in Practice: the Case of

Czechoslovakia 4 20

V1 432 Meiji Japan: Samurai to Entrepreneurs 4 20

V1 433 Jacobitism 4 20

V1 441 Youth in Post-war Britain 4 20

V1 449 The American West 4 20

V1 452 Society and Politics in Colonial India: 1880s-1947 4 20

V1 456 Oral History: Theory and Practice 4 20

V1 457 Madness & Society: Ancient to Present 4 20

V1 479 Slavery in World History 4 20

V1 482 Irish Society, c1700-1860 4 20

V1 491 British Politics since 1918 4 20

V1 493 Medicine and Warfare in the Twentieth Century 2 4 20

V1 494 Competing Nationalisms and Inter-State Conflicts

in the Middle East: 1900-1973 2 4 20

V1 496 Science and Religion in Victorian England 4 20

V1 497 Sub-Saharan Africa and British Imperialism since

1800 4 20

V1 498 Empires and India: South Asia, 1526-1857 ~~4~~ 4 20

V1 499 Work & Community Placement in Oral History 4 20

V1 946 Dangerous Drugs and Magic Bullets: Social   
 History of Medicines, 1800 – 2000 4 20

V1 950 British Foreign Policy in the 19th Century 4 20

V1 958 Propaganda and War in the Twentieth Century 4 20

*\* Some restrictions apply on combinations of classes in this list with those in List A - Special Subjects.*

Major Honours Curriculum in History with Another Subject

11.120.63 All students shall undertake a curriculum in History as follows:

Compulsory Class Level Credits

V1 913 Dissertation in History 4 20

Optional Classes

40 credits chosen from List A in Regulation 11.120.62 and 20 credits chosen from List B in Regulation 11.120.62

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in History and Another Subject

11.120.64 All students shall undertake a curriculum in History as follows:

Optional Classes

40 credits chosen from List A in Regulation 11.120.62

and either

20 credits chosen from List B in Regulation 11.120.62

or

V1 913 Dissertation in History 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in History with Another Subject

11.120.65 All students shall undertake a curriculum in History as follows:

Optional Classes

40 credits chosen from List B in Regulation 11.120.62

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.66

to 11.120.70 (Numbers not used)

Specialisation in Journalism and Creative Writing

Principal Subject Requirements

11.120.71 Students taking Journalism and Creative Writing as a Principal Subject shall undertake a curriculum in Journalism and Creative Writing as follows:

*Journalism and Creative Writing as a First or Second Principal Subject*

Compulsory Classes Level Credits

P3 100 Journalism and Creative Writing 1 1 20

P3 101 Journalism and Creative Writing 2 1 20

P3 200 Creative Writing 2 2 20

P3 201 Journalism 2 2 20

P3 205 Journalism and Creative Writing 2 2 20

P3 301 Journalism 3 3 20

P3 302 Journalism and Creative Writing 3 3 20

P3 305 Creative Writing 3 3 20

Joint Honours Curriculum in Journalism and Creative Writing and Another Subject

11.120.72 All students shall undertake a curriculum in Journalism and Creative Writing as follows:

*either Journalism*

Compulsory Classes Level Credits

P3 403 Journalism Portfolio 4 20

Optional Classes

Either

40 credits chosen from

P3 400 Journalism and Politics 4 20

P3 401 Language and Media 4 20

P3 402 Journalism and Popular Culture 4 20

P3 410 New Narratives 4 20

P3 724 The Journalism of War 4 20

P3 728 Ethical Issues in Journalism 4 20

or

20 credits chosen from the list of optional classes above

and

P3 406 Dissertation in Journalism 4 20

or

20 credits chosen from the list of optional classes above

and

P3 409 Dissertation in Creative Writing 4 20

*or*

*Creative Writing*

Compulsory Class

P3 408 Creative Writing Portfolio 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.73

to 11.120.80 (Numbers not used)

Specialisation in Law

Principal Subject Requirements

11.120.81 Students taking Law as a Principal Subject shall undertake a curriculum in Law as follows:

*Law as a First Principal Subject*

Optional Classes

120 credits chosen from:

M9 111 Criminal Law \* 1 20

M9 112 Voluntary Obligations: Contract and Promise\* 1 20

M9 113 Law and Society \* 1 20

M9 115 Legal Process \* 1 20

M9 207 Public Law 2 2 20

M9 208 Domestic Relations 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

M9 212 European Union Law 2 20

M9 305 Law, Film and Popular Culture 3 20

M9 307 Crime and Punishment 3 20

M9 308 Human Rights Law 3 20

M9 309 Employment Law 3 20

M9 310 Planning Law 3 20

M9 311 Banking Law and Finance 3 20

M9 312 Legal Theory 3 20

M9 313 Housing Law 3 20

M9 314 Intellectual Property Law 3 20

M9 317 Public International Law 3 20

M9 318 Competition Law 3 20

M9 319 Discrimination Law 3 20

M9 338 Local Government Law 3 20

M9 352 Internet Law 3 20

*\* Students may select a maximum of 20 credits of Level 1 classes.*

*Law as a Second Principal Subject*

Optional Classes

80 credits chosen from the list of optional classes above.

Major Honours Curriculum in Law with Another Subject

11.120.82 All students shall undertake a curriculum in Law as follows:

Compulsory Class Level Credits

M9 403 Dissertation in Law 4 20

Optional Classes

40 credits chosen from:

M9 404 Issues in Intellectual Property Law 4 20

M9 407 Law, Persons and Property 4 20

M9 408 European Union Law 4 20

M9 409 Criminology 4 20

M9 410 Public International Law 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 414 Mediation 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 420 Legal Profession 4 20

M9 423 Social and Welfare Law 4 20

M9 426 Computer Law 4 20

M9 427 Legal Theory 4 20

M9 428 Legislation 4 20

M9 431 Media Law 4 20

M9 433 Constitutional Law 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 456 Law, Justice and Society 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Law and Another Subject

11.120.83 All students shall undertake a curriculum in Law as follows:

Optional Classes

60 credits chosen from the list of optional classes in Regulation 11.120.82

Or

Level Credits

M9 498 Dissertation in Law 4 20

and 40 credits chosen from the list of optional classes in Regulation 11.120.82

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Law with Another Subject

11.120.84 All students shall undertake a curriculum in Law as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.120.82.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.85

to 11.120.90 (Numbers not used)

Specialisation in Modern Languages

Principal Subject Requirements

11.120.91 Students taking a Modern Language as a Principal Subject must normally have obtained the credits from the corresponding Level 1 class in Regulation 11.120.11. Before entering a Level 3 language class, students must normally have obtained the credits from the corresponding Level 2 language class.

Before entering the second semester Language class in any year, students must normally have obtained the credits from the first semester Language class.

Students who fail to pass a first semester Language class after two attempts are not qualified to continue with the Language as a Principal subject. Notwithstanding Regulation 11.120.12, such students may meet the credit requirements for their Second Principal Subject over the second and third years.

*French*

French as a First Principal Subject

Compulsory Classes Level Credits

R1 203 French Language 2A 2 20

R1 204 French Language 2B 2 20

R1 210 French Culture and History 2 2 20

R1 305 French Language 3A 3 20

R1 306 French Language 3B 3 20

Optional Classes

20 credits chosen from List A or List B in Regulation 11.120.92.

French as a Second Principal Subject

Compulsory Class Level Credits

R1 203 French Language 2A 2 20

R1 204 French Language 2B 2 20

R1 210 French Culture and History 2 2 20

*Italian*

Italian as a First Principal Subject

Compulsory Classes Level Credits

R3 200 Modern Italy – State, Culture and Society 2 20

R3 203 Italian Language 2A 2 20

R3 204 Italian Language 2B 2 20

R3 305 Italian Language 3A 3 20

R3 306 Italian Language 3B 3 20

Optional Classes

20 credits chosen from List A or List B in Regulation 11.120.92.

Italian as a Second Principal Subject

Compulsory Classes Level Credits

R3 200 Modern Italy – State, Culture and Society 2 20

R3 203 Italian Language 2A 2 20

R3 204 Italian Language 2B 2 20

*Spanish*

Spanish as a First Principal Subject

Compulsory Classes Level Credits

R4 200 Independence and Isolation in Spain and

Latin America 2 20

R4 206 Spanish Language 2A 2 20

R4 207 Spanish Language 2B 2 20

R4 308 Spanish Language 3A 3 20

R4 309 Spanish Language 3B 3 20

Optional Classes

20 credits chosen from List A or List B in Regulation 11.120.92.

Spanish as a Second Principal Subject

Compulsory Classes Level Credits

R4 200 Independence and Isolation in Spain and

Latin America 2 20

R4 206 Spanish Language 2A 2 20

R4 207 Spanish Language 2B 2 20

Optional Classes

20 credits chosen from List B in Regulation 11.120.92

Subject to approval by the Subject Leader, the optional class may be replaced by 20 credits chosen from Level 2 and 3 classes offered by the Faculty of Humanities and Social Sciences.

Optional Classes in a Modern Language

11.120.92

List A: Culture Specific Classes Level Credits

*French*

R1 310 Freedom and Identity in France and the

Francophone World 3 20

*Italian*

R3 374 Italian Stage and Screen 3 20

*Spanish*

R4 374 The Struggle for Modernity in Spain and Latin

America 3 20

Subject to approval by the Subject Leader, the optional class may be replaced by 20 credits chosen from Level 2 and 3 classes offered by the Faculty of Humanities and Social Sciences.

Admission to Joint Honours in a Modern Language and another subject

11.120.93 All students must have met the requirements of Regulation 11.120.22. For admission to Joint Honours, students must have satisfied the First Principal Subject requirement in the language taken.

Before admission to Honours, students are normally required to spend an academic year in residence in a country where the language is spoken, subject to the approval of the Head of the Schoolof Humanities.

Admission to Minor Honours in a Modern Language

11.120.94 All students must meet the requirements of Regulation 11.120.22. For admission to Honours with a Modern Language as the Minor subject, students must have passed 40 Level 2 Language credits and 40 Level 3 Language credits in the Modern Language.

Before admission to Honours, students are normally required to spend an academic year in residence in a country where the language is spoken, subject to the approval of the Head of the School of Humaities.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in a Modern Language and Another Subject

11.120.95 All students shall undertake a curriculum in a Modern Language as follows:

*French*

Compulsory Classes

R1 502 French (Language) A 4 10

R1 503 French (Language) B 4 10

R1 505 French (Language) C 4 10

R1 506 French Studies 4 (Core) 4 10

Optional Classes

*Either*

R1 498 Dissertation in French 4 20

*Or*

20 credits chosen from:

R1 402 The Occupation and its Portrayal in French Films 4 10

R1 407 France since 1945 4 10

*Italian*

Compulsory Classes

R3 531 Italian (Language) A 4 10

R3 532 Italian (Language) B 4 10

R3 533 Italian (Language) C 4 10

R3 535 Italian Resistance Culture 4 10

Optional Classes

*Either*

R3 498 Dissertation in Italian 4 20

*Or*

20 credits chosen from:

R3 534 Nineteenth and Twentieth Century Novelists 4 10

R3 536 The Theatre of the Eighteenth Century 4 10

*Spanish*

Compulsory Classes

R4 551 Spanish (Language) A 4 10

R4 552 Spanish (Language) B 4 10

R4 553 Spanish (Language) C 4 10

R4 555 Spanish and Latin American Studies: Essays 4 10

Optional Classes

*Either*

R4 498 Dissertation in Spanish 4 20

*Or*

20 credits chosen from:

R4 403 Women Writing and Women Written 4 10

R4 476 Sociolinguistics of Spanish 4 10

R4 479 Spain Since Franco 4 10

R4 526 The Latin American Short Story 4 10

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.96 All students shall undertake a curriculum in the Modern Language as follows:

*French Minor*

Compulsory Classes Level Credits

R1 502 French (Language) A 4 10

R1 503 French (Language) B 4 10

R1 505 French (Language) C 4 10

R1 506 French Studies 4 (Core) 4 10

*Italian Minor*

Compulsory Classes

R3 531 Italian (Language) A 4 10

R3 532 Italian (Language) B 4 10

R3 533 Italian (Language) C 4 10

R3 535 Italian Resistance Culture 4 10

*Spanish Minor*

Compulsory Classes

R4 533 Spanish (Language) C 4 10

R4 551 Spanish (Language) A 4 10

R4 552 Spanish (Language) B 4 10

R4 555 Spanish and Latin American Studies: Essays 4 10

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Honours Curriculum in Modern Languages with a Business Subject

11.120.97 All students shall undertake a curriculum in Modern Languages as follows:

*French*

Compulsory Classes Level Credits

R1 502 French (Language) A 4 10

R1 503 French (Language) B 4 10

R1 505 French (Language) C 4 10

R1 506 French Studies 4 (Core) 4 10

*Italian*

Compulsory Classes

R3 531 Italian (Language) A 4 10

R3 532 Italian (Language) B 4 10

R3 533 Italian (Language) C 4 10

R3 535 Italian Resistance Culture 4 10

*Spanish*

Compulsory Classes

R4 551 Spanish (Language) A 4 10

R4 552 Spanish (Language) B 4 10

R4 553 Spanish (Language) C 4 10

R4 555 Spanish and Latin American Studies: Essays 4 10

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.98 - 100 (Numbers not used)

Specialisation in Politics

Principal Subject Requirements

11.120.101 Students taking Politics as a Principal Subject shall undertake a curriculum in Politics as follows:

Politics as a First Principal Subject

Compulsory Classes Level Credits

L2 201 International Relations and Global Politics 2 20

L2 202 Contemporary British Governance 2 20

L2 203 Modern Political Thought 2 20

L2 305 Research Methods for Political Scientists 3 20

Optional Classes

40 credits chosen from:

L2 303 The Politics of European Integration 3 20

L2 304 Quantitative Methods for Social Research 3 20

L2 306 Elections and Voting in Britain 3 20

L2 307 Chinese Politics 3 20

L2 308 European Politics 3 20

L2 309 American Politics 3 20

L2 310 Scottish Politics 3 20

L2 311 Local Politics 3 20

L2 312 War, Terrorism and Conflict 3 20

\* *Students must have taken the class Research Methods for Political Scientists before proceeding to Quantitative Methods for Social Research.*

Politics as a Second Principal Subject

Compulsory Class Level Credits

L2 201 International Relations and Global Politics 2 20

L2 202 Contemporary British Governance 2 20

L2 203 Modern Political Thought 2 20

Single Honours Curriculum in Politics

11.120.102 All students shall undertake a curriculum in Politics as follows:

Compulsory Class Level Credits

L2 499 Dissertation in Politics 4 20

Optional Classes

100 credits chosen from:

L2 408 Constitutional Change and Development in the   
 United Kingdom 4 20

L2 410 Political Parties: Background to Policy Making 4 20

L2 411 Comparative Politics 4 20

L2 412 Green Politics 4 20

L2 413 Political Behaviour420

L2 415 The European Policy Process 4 20

L2 417 Perspectives on British Governance 4 20

L2 418 Territorial Politics in Comparative Perspective 4 20

L2 419 Territorial Politics in the UK 4 20

L2 421 Feminism and Politics 4 20

L2 422 International Relations Theory in a Global Age:   
 Rethinking the Key Concepts 4 20

L2 423 Difference and Democracy 4 20

L2 424 The Welfare State in Comparative Policy 4 20

L2 426 International Security: Concepts and Issues 4 20

L2 427 Transforming Democracies? Representation

and Participation 4 20

L2 428 Crises, Disasters and Public Policy 4 20

L2 429 Human Relations in International Relations 4 20

Major Honours Curriculum in Politics with Another Subject

11.120.103 All students shall undertake a curriculum in Politics as follows:

Compulsory Class Level Credits

L2 499 Dissertation in Politics 4 20

and 60 credits chosen from the list of optional classes in Regulation 11.120.102.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Politics and Another Subject

11.120.104 All students shall undertake a curriculum in Politics as follows:

Optional Classes

either

60 credits chosen from the list of optional classes in Regulation 11.120.102.

or

Level Credits

L2 499 Dissertation in Politics 4 20

and 40 credits chosen from the list of optional classes in Regulation 11.120.102.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Politics with Another Subject

11.120.105 All students shall undertake a curriculum in Politics as follows:

Optional Classes

40 credits chosen from the list of classes in Regulation 11.120.102.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.106

to

11.120.110 (Numbers not used)

Specialisation in Psychology

11.120.111 Students taking any class in Psychology are normally required to attend and perform satisfactorily in the practical and/or statistical work appropriate to their year of study.

Principal Subject Requirements

11.120.112 Students taking Psychology as a Principal Subject shall undertake a curriculum in Psychology as follows:

Psychology as a First Principal Subject

Compulsory Classes Level Credits

C8 201 Cognition and Neuropsychology 2 20

C8 202 Social and Health Psychology 2 20

C8 203 Introduction to Research Design and Analysis 2 20

C8 302 Research Methods in Psychology 3 20

Optional Classes

40 credits chosen from:

C8 303 Individual Differences 3 20

C8 304 Cognition 3 20

C8 305 Development 3 20

C8 306 Psychobiology 3 20

C8 307 Social Psychology 3 20

Psychology as a Second Principal Subject

Compulsory Classes

C8 201 Cognition and Neuropsychology 2 20

C8 202 Social and Health Psychology 2 20

C8 203 Introduction to Research Design and Analysis 2 20

Single Honours Curriculum in Psychology

11.120.113 All students shall undertake a curriculum in Psychology as follows:

Compulsory Classes Level Credits

C8 426 Dissertation in Psychology 4 40

Optional Classes

80 credits chosen from:

C8401 Advanced Psychological Theory and Practice I 4 20

C8402 Advanced Psychological Theory and Practice II 4 20

C8404 Advanced Psychological Theory and Practice III 4 20

C8405 Advanced Psychological Theory and Practice IV 4 20

41 402 Advanced Organisational Behaviour 4 20

C8425 ERASMUS International Work Placement 4 20

Major Honours Curriculum in Psychology with Another Subject (except Mathematics)

11.120.114 All students shall undertake a curriculum in Psychology as follows:

Compulsory Classes Level Credits

36 427 Dissertation in Psychology 4 20

Optional Classes

60 credits chosen from

C8401 Advanced Psychological Theory and Practice I 4 20

C8402 Advanced Psychological Theory and Practice II 4 20

C8404 Advanced Psychological Theory and Practice III 4 20

C8405 Advanced Psychological Theory and Practice IV 4 20

41 402 Advanced Organisational Behaviour 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Psychology and Another Subject (except Mathematics)

11.120.115 All students shall undertake a curriculum in Psychology as follows:

Optional Classes

60 credits chosen from the list of optional classes in Regulation 11.120.114.

or

C8 427 Dissertation in Psychology 4 20

and 40 credits chosen from the list of optional classes in Regulation 11.120.114.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Psychology and Mathematics

11.120.116 All students shall undertake a curriculum in Psychology and Mathematics as follows

Compulsory Classes Level Credits

C8 427 Dissertation in Psychology 4 20

Optional Classes

40 credits in Psychology chosen from the list of optional classes in Regulation 11.120.114 and 60 credits in Mathematics chosen from the list of optional classes in Regulation 11.120.172.

Minor Honours Curriculum in Psychology with Another Subject (except Mathematics)

11.120.117 All students shall undertake a curriculum in Psychology as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.120.114.

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.118

to

11.120.120 (Numbers not used)

Specialisation in Sociology

Principal Subject Requirements

11.120.121 Students taking Sociology as a Principal Subject shall undertake a curriculum in Sociology as follows:

Sociology as a First Principal Subject

Compulsory Classes Level Credits

L3 208 Personal Troubles, Public Issues 2 20

L3 209 Power 2 20

L3 210 Sociological Theory, Method and Practice 2 20

L3 324 Sociological Project 3 20

Optional Classes

40 credits chosen from:

L3 301 Critical Approaches to Health and Illness 3 20

L3 310 Gendering the Social World 3 20

L3 323 Men and Masculinities in a Global Context 3 20

L3 325 Class and Inequalities in a Global Context 3 20

L3 366 Nationalism, Identity and Culture 3 20

L3 367 Space, Resistance and Power 3 20

L3 369 Globalisation and Anti-globalisation 3 20

L3 370 Sociology of Gender 3 20

L7 364 State Spaces 3 20

L7 365 Forced Migration 3 20

L7 368 Global Economy, Neoliberal Economy 3 20

P3 363 Media and Society 3 20

X7 798 Education: Policy, Practice and (re)Production 3 20

L7 369 Twentieth Century Technologies 3 20

L3 303 Social Issues in Contemporary Scotland 3 20

Sociology as a Second Principal Subject

Compulsory Classes Level Credits

L3 208 Personal Troubles, Public Issues 2 20

L3 209 Power 2 20

L3 210 Sociological Theory, Method and Practice 2 20

Single Honours Curriculum in Sociology

11.120.122 All students shall undertake a curriculum in Sociology as follows

Compulsory Class Level Credits

L3 423 Dissertation in Sociology 4 20

Optional Classes

100 credits chosen from:

L3 403 Global Feminisms 4 20

L3 405 Technology and Society 4 20

L3 408 Disability Studies 4 20

L3 425 Rediscovering the Working Class: Investigations

in Working Class studies 4 20

L3 463 Urban Civility and Conflict 4 20

L3 464 Hazards, Risk and Society 4 20

L3 466 Environment and Society 4 20

L7 467 Diaspora and Transnationalism 4 20

P3 465 Communicating ‘Terrorism’ and War 4 20

L3 467 Sociology of Education 4 20

L3 468 Social Change and Revolution 4 20

L3 469 Nationalism, Ethnicity & ‘Race’: from Identity to

Politics 4 20

L7 468 Posthuman Society 4 20

Major Honours Curriculum in Sociology with Another Subject

11.120.123 All students shall undertake a curriculum in Sociology as follows:

Compulsory Class Level Credits

L3 423 Dissertation in Sociology 4 20

Optional Classes

60 credits chosen from the list of optional classes in Regulation 11.120.123

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Sociology and Another Subject

11.120.124 All students shall undertake a curriculum in Sociology as follows:

Optional Classes Level Credits

either

60 credits chosen from Regulation 11.120.123.

or

L3 423 Dissertation in Sociology 4 20

And 40 credits chosen from Regulation 11.120.123

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Another Subject with Sociology

11.120.125 All students shall undertake a curriculum in Sociology as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.120.123

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.126

to

11.120.130 (Numbers not used)

Specialisation in Economics

Principal Subject Requirements

11.120.131 Students taking Economics as a Principal Subject shall undertake a curriculum in Economics as follows:

*Economics as a First Principal Subject*

Compulsory Classes Level Credits

EC 207 Microeconomics 2 2 20

EC 208 Macroeconomics 2 2 20

EC 307 Microeconomics 3 3 20

EC 308 Macroeconomics 3 3 20

Optional Classes

40 credits chosen from:

EC 209 Economics of Firms and Industries 2 20

EC 210 International Trade and Development 2 20

EC 311 Introduction to Econometrics 3 20

*Economics as a Second Principal Subject*

Compulsory Classes Level Credits

EC 207 Microeconomics 2 2 20

EC 208 Macroeconomics 2 2 20

Optional Classes

20 credits chosen from:

EC 209 Economics of Firms and Industries 2 20

EC 210 International Trade and Development 2 20

Joint Honours Curriculum in a HaSS Subject and Economics

11.120.133 All students shall undertake a curriculum as follows:

Compulsory Classes Level Credits

Either

EC 403 Microeconomics 4 4 20

or

EC 404 Macroeconomics 4 4 20

Optional Classes

40 credits chosen from the following list of optional classes:

EC412 Industrial Economics 4 20

EC413 Applied Econometrics 4 20

EC414 Financial Development and Economic Growth 4 20

EC415 Behavioural Economics 4 20

EC416 Natural Resource, Environmental & Energy Economics 4 20

EC419 Economics Dissertation 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.134

to 11.120.140 (Numbers not used)

Specialisation in Hospitality and Tourism

Principal Subject Requirements

11.120.141 Students taking Hospitality and Tourism as a Principal Subject shall undertake a curriculum in Hospitality and Tourism as follows:

Compulsory Classes Level Credits

SH 215 Destination

Positioning and Management 2 20

SH 221 Service Encounter Management 2 20

MG 212 Destination Marketing Management 2 20

MG 211 Managing the Service Encounter 2 20

SH 320 Destination Fieldwork: Regeneration and

Sustainability 3 20

MG 310 Developing Theory into Practice 3 20

SH 322 Hospitality and Tourism Industry Placement 3 20

SH 325 Events Management 3 20

Joint Honours Curriculum in a Modern Language or Geography and Hospitality and Tourism

11.120.142 All students shall undertake a curriculum in Hospitality and Tourism as follows:

Compulsory Classes Level Credits

SH 410 Critical Hospitality and Tourism Studies 4 20 SH 424 Being an Ethical Manager 4 20

SH 408 HTM Dissertation 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.143

to

11.120.150 (Numbers not used)

Specialisation in Human Resource Management

Principal Subject Requirements

11.120.151 Students taking Human Resource Management as a Principal Subject shall undertake a curriculum in Human Resource Management as follows:

Compulsory Classes Level Credits

HR 201 Managing Equality and Diversity 3 20

HR 202 Human Resource Development 2 20

HR 204 Work and Organisational Psychology 2 20

HR 205 Work Psychology for HRM 2 20

HR 300 Work, Employment and Society 3 20

HR 301 Employment Relations 3 20

Joint Honours Curriculum in a HaSS Subject and Human Resource Management

11.120.152 All students shall undertake a curriculum in Human Resource Management as follows:

Optional Classes

60 credits chosen from:

41 402 Advanced Organisational Behaviour 4 20

41 433 Human Resources in the Global Economy 4 20

HR402 Perspectives on Work and Employment 4 20

HR408 HRM and Employment Relations in Public Services 4 20

HR409 HRM Dissertation 4 20

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.153

to

11.120 160 (Numbers not used)

Specialisation in Marketing

Principal Subject Requirements

11.120.161 Students taking Marketing as a Principal Subject shall undertake a curriculum as follows:

Compulsory Classes Level Credits

MK 206 Consumer Behaviour 2 20

MK 207 Marketing Research 2 20

MK 317 Marketing Communications 3 20

MK 318 Strategic Marketing 3 20

Optional Classes

40 credits chosen from:

MK 319 E-marketing 2 20

MK 320 Management of Sales Operations 2 20

MK 321 Marketing for Small Businesses 2 20

MK 322 Marketing in Contemporary Context 2 20

MK 323 Marketing of Services 2 20

MK 324 Retail Management 2 20

MK 325 Essentials in International Marketing 2 20

Joint Honours Curriculum in a Modern Language and Marketing

11.120.162 All students shall undertake a curriculum in Marketing as follows:

Compulsory Classes Level Credits

MK 412 Brand Management 4 20

Optional Classes

40 credits chosen from:

MK 410 Advances in Consumer Behaviour 4 20

MK 415 International Business Management 4 20

MK 416 Managing Customer Relations 4 20

MK 418 Social Marketing 4 20

MK 419 Sports Marketing 4 20

MK 421 Managing Integrated Marketing Comms: Theory & 4 20

Practice

The credit requirements for the other Principal Subject are specified in that subject’s specialisation regulations.

11.120.163

to 11.120.170 (Numbers not used)

Principal Subject Curriculum in Mathematics

11.120.171 Students taking Mathematics as a Principal Subject shall undertake a curriculum in Mathematics as follows:

Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 204 Probability and Statistical Interference 2 20

MM 302 Differential Equations 3 20

MM 304 Inference and Regression Modelling 3 20

Optional Classes

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

MM 206 Mathematical and Statistical Computing 2 20

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

Such other classes as may be approved by the Course Director.

Joint Honours Curriculum in a Psychology and Mathematics

11.120.172 All students shall undertake a curriculum in Mathematics as follows:

Optional Classes

60 credits chosen from:

MM 401 Communicating Mathematics and Stats 4 20

MM 402 Modelling and Simulation with Applications

to Financial Derivatives 4 20

MM 403 Applicable Analysis 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary

Value Problems and Approximation 4 20

MM 407 Applied Statistics in Society 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\*Please note that not all of these classes will be available every year

11.120.173

to 11.120.180 (Numbers not used)

Humanities and Social Sciences

BA in the Faculty of Humanities and Social Sciences

Diploma of Higher Education

Certificate of Higher Education

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Degree

11.120.181 All students will normally have been admitted in the first instance to another Honours course in the Faculty of Humanities and Social Sciences.

Mode of Study

11.120.182 The courses are available by full-time and part-time study.

Curriculum (Full-time study)

First Year

11.120.183 All students shall undertake classes amounting to 120 credits chosen from the curriculum of a course delivered within the Faculty of Humanities and Social Sciences.

Second Year

11.120.184 All students shall undertake classes amounting to 120 credits chosen from the curriculum of a course delivered within the Faculty of Humanities and Social Sciences, including at least 100 credits at Level 2.

Third Year

11.120.185 All students shall undertake classes amounting to 120 credits chosen from the curriculum of a course delivered within the Faculty of Humanities and Social Sciences, including at least 60 credits at Level 3.

Curriculum (Part-time study)

11.120.186 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

11.120.187 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the curriculum of a course delivered within the Faculty of Humanities and Social Sciences.

11.120.188 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the curriculum of a course delivered within the Faculty of Humanities and Social Sciences.

Award

11.120.189 **BA**: In order to qualify for the award of the degree of BA in the Faculty of Humanities and Social Sciences, a candidate must have accumulated no fewer than 360 credits from the course curriculum. Students who elect to graduate after completing three Levels of an Honours programme, or who gain 360 credits but do not meet the Honours entry requirements of their Subject(s), or who fail to gain 120 credits in their Honours year, may graduate with the degree of BA in the Faculty of Humanities and Social Sciences.

11.120.190 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in the Faculty of Humanities and Social Sciences, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.120.191 **Certificate of Higher Education** In order to qualify for the award of a Certificate of Higher Education in the Faculty of Humanities and Social Sciences, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.120.192

to 11.121 (Numbers not used)

11.121 Centre for Lifelong Learning

Open Studies Certificate

Certificate of Higher Education in Lifelong Learning in Humanities

Certificate of Higher Education in Lifelong Learning in Creative Arts

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1 and Regulation 22.3]

Admission

11.121.1 Regulation 11.1.1 and 22.3.1 shall apply.

Mode of Study

11.121.2 The courses are available by part-time study only. Unless granted an extension of time by the Open Studies Programme Board, a student who has not qualified for the award of the Certificate of Higher Education in Lifelong Learning within a period of 16 semesters from the date of first registration may be required to withdraw.

Curriculum

11.121.3 All students shall undertake classes, subject to the approval of the Course Director, within one of the following distinct pathways:

Humanities

Creative Arts

***Humanities***

11.121.4 Optional Classes

90 credits chosen from the curriculum of the following Open Studies Certificate pathways listed in Regulation 22.3.24

Humanities

Applied Writing

Genealogical Studies

Language Studies

together with

30 credits chosen from the curriculum of the Open Studies Certificate and listed in Regulation 22.3.24

***Creative Arts***

11.121.7 Optional Classes

90 credits chosen from the curriculum of the following Open Studies Certificate pathways listed in Regulation 22.3.24

Applied Arts

Theatre Arts

together with

30 credits chosen from the curriculum of the Open Studies Certificate and listed in Regulation 22.3.24

Award

11.121.8 Certificate of Higher Education: In order to qualify for the award of the Certificate of Higher Education in Lifelong Learning in a named pathway the candidate must have accumulated no fewer than 120 credits, of which 90 credits must be in their chosen named pathway from the curriculum of the Open Studies Certificate.

11.121.9 to

11.122 (numbers not used)

11.122 **Childhood Practice**

BA with Honours (Hons) in Childhood Practice

BA in Childhood Practice

Diploma of Higher Education in Childhood Practice

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.122.1 Notwithstanding Regulation 11.1.1, applicants will normally have achieved the equivalent of 120 credits at SCQF Level 7 and be employed in a post relevant to the field of study.

Direct entry to Phase 2 120 credits at SCQF Level 7 and 60 credits at SCQF Level 8 through RPL claim

Direct Entry to Phase 3 240 credits, 120 at SCQF level 7 and 120 credits at SCQF Level 8

Direct entry to Level 10 Honours year for graduates who hold a BA in Childhood Practice (BACP) Pass Degree

Status of the Degree

11.122.2 All students are admitted in the first instance as potential degree students. The course is offered to Bachelor (honours) degree level. Transfer to the BA in the Faculty of Humanities and Social Sciences may be possible at any time subject to satisfying the appropriate progress regulations.

Mode of Study

11.122.3 The courses are offered by part-time study only at the University of Strathclyde. Additionally the courses may be delivered as an outreach course when requested by a funding local authority

Minimum Periods of Study

11.122.4 For direct entry to Second Year (Phase 1) the minimum period of study shall normally be 6 years.

For direct entry to Third Year (Phase 3) the minimum period of study shall normally be 4 years.

For direct entry to Fourth Year (Hons) (Phase 5) the minimum period of study shall normally be 2 years.

Maximum of Periods of Study

11.122.5 For direct entry to Second Year (Phase 1) the maximum period of study shall normally be 8 years.

For direct entry to Third Year (Phase 3) the maximum period of study shall normally be 6 years.

For direct entry to Fourth Year (Hons) (Phase 5) the maximum period of study shall normally be 4 years.

Curriculum (Part-time Study)

11.122.6 Students shall normally undertake classes amounting to no fewer than 60 credits in each academic session.

**First Year Not Taught**

Second Year (Phase 1)

11.122.7 All students shall undertake classes amounting to no fewer than 60 credits as follows:

Compulsory Classes

X9 723 Academic Literacy, Communication and Professional

Values 2 20

X9 171 A Child’s World: Experiences in Learning Environments 2 20

X9 277 Contemporary Childhood: A Sociological Exploration 2 20

Second Year (Phase 2)

11.122.8 All students shall undertake classes amounting to no fewer than 60 credits as follows:

# Compulsory Classes

X9 276 Children's Emotional and Social Development :

Foundations for Learning and Health 2 20

X9 272 Playful Pedagogy: Children as thinkers 2 20

X9 275 Children's Emotional and Social Development:

Observing Child Development 2 20

**Third Year (Phase 3)**

11.122.9 All students shall undertake classes amounting to no fewer than 60 credits as follows:

Compulsory Classes Level Credits

X7 300 Management and Leadership including

Issues of Quality 3 20

X9 373 Leading Effective Pedagogy: Supporting

Children as Active Learners 3 20

X7 306 Children’s Rights and Working in Multi-

Professional Teams 3 20

**Third Year (Phase 4)**

11.122.10 All students shall undertake classes amounting to no fewer than 60 credits as follows:

Compulsory Classes Level Credits

X7 304 Leading Innovation and Professional Change 3 20

X7 305 Evidence Informed Practice: Exploring Research

Methods in Childhood Practice 3 20

X9 371 Leading People: Managing the Professional

Self and Others 3 20

**Fourth Year (Phase 5) (Honours)**

11.122.11 All students shall undertake classes amounting to no fewer than 60 credits as follows:

Compulsory Classes Level Credits

X7 403 Cross Cultural Perspectives on Childhood

Practice 4 20

Options: One of the following specialist routes

X7 430 a. Pre Birth to Three 4 40

X7 423 b. Early Childhood 4 40

X7 425 c. Growing Up (late childhood) 4 40

**Fourth Year (Phase 6) (Honours)**

11.122.12 All students shall undertake classes amounting to no fewer than 60 credits as follows:

Compulsory Classes Level Credits

X7 429 Exploring Professional Values 4 20

X7 422 Dissertation 4 40

**Progress**

11.122.13 In any one academic year, a student shall not normally carry more than 20 outstanding credits from one academic year to the next.

11.122.14 In order to progress to the third year of the course, a student must have accumulated no fewer than 220 credits from the course curriculum including 120 credits from RPL.

11.122.15 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 340 credits from the course curriculum including 120 credits from RPL.

11.122.16 **Examination and Final Assessment**

The final assessment will be based on performance in the examinations, where undertaken, and in coursework at the appropriate Levels.

Award

11.122.17 **BA: Hons** In order to qualify for the award of the degree of BA with Honours in Childhood Practice, a candidate must have accumulated no fewer than 480 credits from the course curriculum (or from previous BACP pass degree) including 120 credits from RPL.

11.122.18 **BA:** In order to qualify for the award of the BA in Childhood Practice, a candidate must have accumulated no fewer than 360 credits from the course curriculum including120 credits from RPL.

11.122.19 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Childhood Practice, a candidate must have accumulated no fewer than 240 credits from course curriculum including120 credits from RPL.

11.122.20 number not used

Community Arts

BA with Honours in Community Arts

BA in Community Arts

Diploma of Higher Education in Community Arts

Certificate of Higher Education in Community Arts

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.122.21 All students are admitted in the first instance as potential Honours students.

Mode of Study

11.122.22 The courses are available by full-time study only.

Place of Study

11.122.23 The courses involve placement outwith the University campuses for which students must be a member of the PVG (Protection Vulnerable Groups) Scheme or, if already a member, must apply for an update.

Curriculum

First Year

11.122.24 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

X9 134 Cultural Theory in Community Contexts 1 20

X9 135 Community Dance 1 1 20

X9 136 Community Drama 1 1 20

X9 137 Community Music 1 1 20

X9 138 Community Visual Arts 1 1 20

X9 139 Community Team Project 1 20

Second Year

11.122.25 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

X9 258 Arts Management in Community Contexts 2 20

X9 259 Media Theory and Production 2 20

X9 260 Community Placement 2 20

Elective Class(es) 20

Optional Classes

40 credits chosen from:

X7 866 Community Dance 2 2 20

X9 261 Community Drama 2 2 20

X9 262 Community Music 2 2 20

X9 264 Community Visual Arts 2 2 20

Third Year

11.122.26 All students shall undertake classes amounting 120 credits as follows:

Compulsory Classes Level Credits

X9 506 Arts Inclusive Contexts 3 20

X9 507 Applied Arts Discipline 1 3 20

X9 508 Enquiry and Research Methods: Arts Contexts 3 20

Optional Classes

60 credits of which no fewer than 20 must be chosen from List A and no fewer than 20 from List B as follows:

List A

X9 509 Community Dance 3 3 20

X9 510 Community Drama 3 3 20

X9 511 Community Music 3 3 20

X9 512 Community Visual Arts 3 3 20

List B

X9 513 Arts Management and Cultural Theory 1 3 20

X9 514 Digital Media in Community Contexts 3 20

X9 515 Youth Studies and Community Empowerment 4 20

Fourth Year

11.122.27 All students shall undertake classes amounting 120 credits as follows:

Compulsory Classes Level Credits

X9 708 Community Arts Dissertation 4 40

X9 709 Applied Arts Discipline 2 4 20

Optional Classes

60 credits of which no fewer than 20 must be chosen from List A and no fewer than 20 from List B as follows:

List A

X9 710 Community Dance 4 4 20

X9 711 Community Drama 4 4 20

X9 713 Community Music 4 4 20

X9 714 Community Visual Arts 4 4 20

List B

CM 402 Youth Studies and Community Empowerment 4 20

X9 615 Digital Media in Community Contexts 3 20

X9 712 Arts Management and Cultural Theory 2 4 20

X7 409 Arts Infused Curriculum 4 20

X7 410 Digital Media in Arts Applications 4 20

Progress

11.122.28 In order to progress to the second year of the course, a student must have accumulated no fewer than 100 credits from the course curriculum, including those for the classes *X9 139 Community Team Project* and *SC 129 Cultural Theory in Community Contexts*.

11.122.29 In order to progress to the third year of the course, a student must have accumulated no fewer than 220 credits from the course curriculum, including those for the classes *X9 260 Community Placement*, *X9 258 Arts Management in Community Contexts*

11.122.30 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum, including those for the compulsory third year classes.

Final Honours Classification

11.122.31 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes which are taken in the fourth year.

Award

11.122.32 **BA with Honours**: In order to qualify for the award of the degree of BA with Honours in Community Arts, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.122.33 **BA**: In order to qualify for the award of the degree of BA in Community Arts, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.122.34 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Community Arts, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.122.35 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Community Arts, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.122.36

to 11.122.40 (Numbers not used)

Community Education

BA with Honours in Community Education

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.122.41 Notwithstanding Regulation 11.1.1, applicants for the BA with Honours in Community Education by part-time study will normally be employed in a post relevant to the field of study for 17.5 hours or more per week at the time of starting their course and have vocational experience which, in the opinion of the Course Director, is appropriate for entry to the degree by part-time study.

Status of the Degree

11.122.42 The degree is offered at Honours level only. Transfer to the BA in the Faculty of Humanities and Social Sciences may be possible at any time subject to satisfying the appropriate progress regulations.

Mode of Study

11.122.43 The course is available by full-time or part-time study.

Place of Study

11.122.44 As permitted by Regulation 11.1.7, the course require*s* placements outwith the University campus for which students must be a member of the PVG (Protection Vulnerable Groups) Scheme or, if already a member, must apply for an update.

Maximum Period of Study

11.122.45 Notwithstanding Regulation 11.1.6, the maximum period of study for the BA with Honours in Community Education by part-time study is 7 years.

Curriculum (Full-time study)

First Year

11.122.46 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CM 123 Thinking Professionally 1 20

PR 104 Academic Enquiry 1 20

PR 105 Community Education and Social Thought 1 20

PR 106 Communication and Professional Interaction 1 20

PR 108 Foundations of Critical Pedagogy 1 20

Elective Classes 20

Second Year

11.122.47 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PR 204 Educational Groupwork 2 20

PR 205 Experiential Learning: Practicum 2 2 60

PR 206 Analysing Social Context 2 20

Elective Classe(es) 20

Third Year

11.122.48 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PR 314 Practice Research Methods 3 20

PR 315 Diversity and Difference 3 20

PR 316 Management and Community Education 3 20

PR 317 Ethical Practice 3 20

PR 318 Applied Critical Pedagogy 3 20

Optional Classes

20 credits chosen from:

PR 319 Community-based Adult Learning 1 3 20

PR 320 Community Development 1 3 20

PR 321 Youth Work 1 3 20

Fourth Year

11.122.49 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PR 417 Experiential Learning: Practicum 3 4 60

PR 418 Integrating themes in Community Education 4 20

PR 419 Planning for Change 4 20

Optional Classes

20 credits chosen as previously selected from:

PR 420 Community-based Adult Learning 2 4 20

PR 421 Community Development 2 4 20

PR 422 Youth Work 2 4 20

Curriculum (Part–time study)

11.122.50 All part-time students shall undertake an approved curriculum as follows:

Compulsory Classes Level Credits

PR 104 Academic Enquiry 1 20

PR 205 Experiential Learning: Practicum 2 2 60

PR 314 Practice Research Methods 3 20

PR 417 Experiential Learning: Practicum 3 4 60

PR 418 Integrating Themes in Community Education 4 20

Elective Class(es) 30

Optional classes

260 credits chosen from:

CM 101 Facilitating Community Empowerment 1 20

CM 123 Thinking Professionally 1 20

CM 235 Positivity in Community Work 2 20

PR 105 Community Education and Social Thought 1 20

PR 106 Communication and Professional Interaction 1 20

PR 108 Foundations of Critical Pedagogy 1 20

PR 204 Educational Groupwork 2 20

PR 206 Analysing Social Context 2 20

PR 315 Diversity and Difference 3 20

PR 316 Management and Community Education 3 20

PR 317 Ethical Practice 3 20

PR 318 Applied Critical Pedagogy 3 20

PR 319 Community-based Adult Learning 1\* 3 20

PR 320 Community Development 1\* 3 20

PR 321 Youth Work 1\* 3 20

PR 419 Planning for Change 4 20

PR 420 Community-based Adult Learning 2\*\* 4 20

PR 421 Community Development 2\*\* 4 20

PR 422 Youth Work 2\*\* 4 20

\* only one such class may be chosen

\*\* requires the corresponding level 3 class to have been chosen

Progress (Full-time study)

11.122.51 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.122.52 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

11.122.53 In order to progress to the fourth year, a student must have accumulated 360 credits from the course curriculum.

Progress (Part-time study)

11.122.54 Within each year of study, a student will not normally be allowed to carry more than 20 outstanding credits from one calendar year to the next.

Final Honours Classification

11.122.55 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes which are taken in the third and fourth year of the course.

Award

11.122.56 **BA with Honours:** In order to qualify for the award of the degree of BA with Honours in Community Education, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

Transfer

11.122.57A candidate who fails to satisfy the progress or award requirements for the degree of BA with Honours in Community Education may be transferred to the degree of BA in Faculty of Humanities and Social Sciences.

11.122.58

to

11.122.60 (Numbers not used)

BEd with Honours in Primary Education

BEd with Honours in Primary Education with International Study

BEd in Primary Education

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.122.61 All students are normally admitted in the first instance as potential Honours students. Transfer to the BA in Primary Education Studies is possible at any time.

Mode of Study

11.122.62 The courses are available by full-time study only.

Place of Study

11.122.63 The courses involves placements in schools for which students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update. The degrees of students who spend all or part of an academic year at an overseas university as an accredited part of their undergraduate degree studies will be designated as BEd Honours in Primary Education with International Study.

First Year

11.122.64 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

X9 109 Language and Placement Learning 1 20

X9 110 Mathematics and Pedagogy 1 20

X9 111 Religious and Moral Education, Health and

Well-being 1 20

X9 119 Me as a Learner 1 20

X9 120 Children as Learners 1 20

Elective Class(es) 20

Second Year

11.122.65 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

X9 230 Barriers to Learning and the Context of Schooling 2 20

X9 231 Pedagogy and Placement Learning 2 2 20

X9 232 Language, Literature and Literary Life in the 2 20

Classroom

X9 233 Learning in Social Studies, Science and

Technology 2 20

X9 234 Expressive Arts in the Curriculum 2 20

X9 235 Introduction to the Integrated Curriculum 2 20

Third Year

11.122.66 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

X9 355 Educational Values, Thinking and Inquiry 3 20

X9 356 Pedagogy & Placement Learning 3A 3 20

X9 357 Pedagogy & Placement Learning 3B 3 20

X9 358 Developing the Integrated Curriculum 3 20

X9 359 Progression in Mathematics: Theory and Practice 3 20

Optional Classes

20 credits chosen from:

X9 301 Working with Families and the Community 3 20

X9 341 Literacy Acquisition for Bilingual Learners 3 20

X9 352 Enterprise and Entrepreneurial Learning in

Primary Schools 3 20

X9 360 Additional Support Needs: Preparing to Support

Learning in the Primary Classroom 3 20

X9 361 Effective and Creative Use of ICT in the Primary

School 3 20

X9 362 Creativity in Teaching and Learning 3 20

X9 363 Philosophy with Children 3 20

X9 399 The Education of Looked After Children 3 20

X7 318 Learning Through the Literacy Clinic 3 20

Students wishing to undertake study abroad may replace X9 356 Pedagogy & Placement Learning 3A and X9 357 Pedagogy & Placement Learning 3B with approved classes offered by an international university.

Fourth Year

11.122.67 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

X9 425 Pedagogy and Placement Learning 4 4 40

X9 497 Professional Project 4 20

X9 472 Contemporary Education Issues 4 20

X9 426 Developing Inclusive Practice in Numeracy and

Literacy 0-14 4 20

Optional Classes

20 credits chosen from:

X9 428 Music: Learning and Wellbeing 3 20

X7 416 Social Studies 4 20

X7 411 Exploring Belief & Culture 4 20

X7 412 Exploring Children’s Books: Theory and Practice 4 20

Social Studies 4 20

X7 426 Learning and Teaching Science in the   
Primary School 4 20

X7 415 Pretending to Learn 4 20

X7 414 Primary Physical Education 4 20

X9 498 People, Place and Environment/Ourdoor Learning 4 20

Such other classes as may be approved by the Course Director.

Progress

11.122.68 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum including those for the class *X9 109* *Language and Placement Learning.*

11.122.69 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for the class *X9 231* *Pedagogy and Placement Learning 2.*

11.122.70 In order to progress to the fourth year of the course, a student must normally have obtained at least 360 credits from the course curriculum, including those for the classes *X9 356 Pedagogy and Placement Learning 3A* and *X9 357 Pedagogy and Placement Learning 3B* or those classes taken during the period of study abroad.

Final Honours Classification

11.122.71 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes taken in second, third and fourth year.

Award

11.122.72 **BEd with Honours:** In order to qualify for the award of the BEd with Honours in Primary Education, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.122.73 **BEd:** Notwithstanding Regulation 11.1.10, in order to qualify for the award of the BEd in Primary Education a candidate must have accumulated no fewer than 420 credits from the course curriculum including those for the classes *X9 425* *Pedagogy and Placement Learning 4, X9 426 Developing Inclusive Practice in Numeracy and Literacy 0-14* and a class chosen from the Level 4 Options.

Transfer

11.122.74 A candidate who fails to satisfy the progress or award requirements for the degree of BEd with Honours in Primary Education or BEd in Primary Education may be transferred to the degree of BA in Primary Education Studies.

11.122.75

to 11.122.80 (Numbers not used)

Faculty of Humanities and Social Sciences

11.123 Faculty Courses

Humanities and Social Sciences

BA with Honours in (Subject(s))

BA with Honours in (Subject(s)) with International Study

BA in Humanities and Social Sciences

BA in Humanities and Social Sciences with International Study

Diploma of Higher Education in Humanities and Social Sciences

Certificate of Higher Education in Humanities and Social Sciences

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1.]

Admission

11.123.1 Regulation 11.1.1 shall apply.

Status of the Courses

11.123.2 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.123.3 The courses are available by full-time and by part-time study if so indicated. Students may transfer, with the approval of the Vice Dean (Academic), from full-time study to part-time, and vice versa. Each year of part-time study shall normally comprise 60 credits from the classes required for full-time study.

Place of Study

11.123.4 Certain subjectsmay require study outwith the University.

11.123.5 The BA Hons in (Subject(s)) with International Study requires accredited study at an approved institution abroad for a period of at least one semester.

Course Structure (Full-time Study)

11.123.6 All full-time first year students shall undertake a curriculum which shall normally amount to 120 credits. At the end of the first year, all students shall choose two subjects from this curriculum for further study, having obtained a pass at the required standard in the 1A and 1B classes for each subject.

11.123.7 All full time second year students shall undertake a 120-credit curriculum consisting of primarily of two combinable Subjects, in each of which they will have gained 40 credits at Level 1. In Level 2, they will take 60 credits in one Subject + 40 credits in the other Subject + 20 credits in an interdisciplinary class chosen from a list of classes approved by the Faculty.

11.123.8 All full time third year students shall undertake a 120-credit curriculum consisting of no more than 100 credits in one of their Level 2 Subjects and 20 credits in an interdisciplinary class chosen from a list of classes approved by the Faculty. Any remaining balance of credits will consist of classes taken from their other Level 2 Subject.

11.123.9 Specific criteria and prerequisites may apply to entry to Honours in certain subjects. Students wishing to be considered for

(i) a Single Honours degree must normally have gained at least 60 credits in that Subject at Level 3.

(ii) Joint Honours degree (including Major/Minor combinations) must normally have gained at least 120 credits by the end of Level 3 in each of their intended Honours Subjects.

11.123.10 The credits for each class shall count towards the credit requirements for one of the Subjects only. With the prior approval of the Board of Study or the Board’s nominee in a particular session, classes offered by another University may be taken in place of classes offered by the Faculty of Humanities and Social Sciences.

11.123.11 All full-time Honours year students shall undertake classes which amount to 120 credits which meet the specialisation requirements for their subject(s) and shall include a dissertation.

Students studying for Single Honours shall undertake 120 credits at Level 4 in one subject.

All other students shall undertake a curriculum consisting of

EITHER

60 credits at Level 4 in each of two subjects, including a dissertation in one of those subjects (Joint Honours);

OR

80 credits in one subject, including a 20 credit dissertation, and 40 credits in another subject (Major-Minor) all at Level 4.

Students studying a Joint Honours curriculum at Level 4 that includes a subject offered by another Faculty will complete their dissertation in the HaSS subject, except in the case of Human Resource Management, in which a 20 credit dissertation may be undertaken.

Only the following subjects may be studied as a Major component at Level 4: English, History, Politics and International Relations and Psychology.

Subject Requirements

11.123.12

Education See Regulations 11.123.36 – 11.123.39

English See Regulations 11.123.41 – 11.123.45

History See Regulations 11.123.61 – 11.123.65

Journalism and Creative Writing See Regulations 11.123.71 – 11.123.73

Law See Regulations 11.123.81 – 11.123.83

Modern Languages (French,   
Italian and Spanish) See Regulations 11.123.91 – 11.123.96

Politics and International

Relations See Regulations 11.123.101 – 11.123.105

Psychology See Regulations 11.123.111 – 11.123.117

Social Policy See Regulations 11.123.118 – 11.123.120

Economics See Regulations 11.123.131 – 11.123.132

Hospitality and Tourism

Management See Regulation 11.123.141 – 11.123.142

Human Resource Management See Regulation 11.123.151 – 11.123.152

Marketing See Regulation 11.123.161 – 11.123.162

Mathematics See Regulations 11.123.171 – 11.123.172

**Permissible Combinations of Subjects for Pass and Honours Degrees**

11.123.13 Subjects are normally available in the following combinations:

|  |  |  |  |
| --- | --- | --- | --- |
| Education | | | |
| J | English | | | |
| J | J | French | | | | | |
| J | J | J | History | | | | | |
| J | J | J | J | | | Italian | | | | | | | | | |
| J | J | J | J | | | J | Journalism & Creative Writing | | | | | | | | | | | |
| J | J | J | J | | | J | J | | | Law | | | | | | | |
| J | J | J | J | | | J | J | | | J | Politics and International Relations | | | | |
| J | J | J | J | | | J |  | | | J | J | Psychology | | | | |
| J | J | J | J | | | J | J | | | J | J | J | Spanish | |
| J | J | J | J | | | J | J | | | J | J | J | Social Policy | |
|  |  |  |  | | |  |  | | |  |  |  |  | *Non-HaSS subjects* |
| J | P | J | J | | | J | J | | | J | J | J | J | Economics |
| J | J | J | J | | | J | J | | | J | J | J | J | Human Resource Management | | | | | |
|  |  | J |  | | | J |  | | |  |  |  | J | Marketing |
|  |  |  |  | | |  |  | | |  | P | J |  | Mathematics |
|  |  | J |  | | | J |  | | |  |  |  | J | Hospitality & Tourism Management |

*J Combinations which may be taken for Honours*

*P Combinations which may not be continued beyond Level 3*

Single Honours degrees are available in the following Subjects:

English

History

Politics and International Relations

Psychology

Curriculum (Full-time Study)

First Year

11.123.14 All full-time students shall undertake 120 credits, normally consisting of three pairs (ie, 1A+1B) of classes taken from List A. Up to 40 credits of classes may be taken from List B within a single subject. Students taking subjects offering only 20 credits in List B are required to take an additional 20 credit class from List A.

List A: Level 1 Classes in the Faculty of Humanities and Social Sciences

Level Credits

C8 105 Psychology 1A 1 20

C8 106 Psychology 1B 1 20

L2 105 Politics and International Relations 1A: Concepts 1 20

L2 106 Politics and International Relations 1B :

Government and Governance 1 20

L2 104 Philosophy : Logic and Argumentation 1 20

M9 109 BA Law 1A (Legal Methods) 1 20

M9 116 BA Law 1B (Public Law 1) 1 20

P3 100 Journalism and Creative Writing 1A 1 20

P3 101 Journalism and Creative Writing 1B 1 20

QQ 115 English 1A 1 20

QQ 116 English 1B 1 20

R1 107 French 1A 1 20

R1 108 French 1B 1 20

R1 109 Introduction to French 1A 1 20

R1 110 Introduction to French 1B 1 20

R3 108 Italian 1A 1 20

R3 109 Italian 1B 1 20

R3 110 Introduction to Italian 1A 1 20

R3 111 Introduction to Italian 1B 1 20

R4 107 Spanish 1A 1 20

R4 108 Spanish 1B 1 20

R4 109 Introduction to Spanish 1A 1 20

R4 110 Introduction to Spanish 1B 1 20

V1102 History 1A 1 20

V1103 History 1B 1 20

X9173 Education 1A : Year 1 Placement and Curriculum 1 20

X9172 Education 1B : Understanding Education in the

21st Century 1 20

L5117 Social Policy & Society in Contemporary Scotland 1 20

L5118 Private Issues & Public Problems 1 20

**List B: Level 1 Classes in Other Faculties**

Level Credits

EC 111 Introduction to Economics 1 20

HR 112 Managing People 1 20

MK 111 Introduction to Marketing+ 1 20

MM 101 Introduction to Calculus\* 1 20

MM 102 Applications of Calculus\* 1 20

SH 111 Introduction to Hospitality &

Tourism Management + 1 20

\* Compulsory for students intending to take Mathematics

+ Only available in combination with a Modern Language

Second Year

11.123.15 All full-time students shall undertake classes amounting to 120 credits as follows:

All students shall take 1 x 20 credit class or 2 x 10 credit classes from a list of interdisciplinary elective classes approved by the Faculty, including where appropriate, participation in a Vertically Integrated Project (VIP).

In addition, students shall undertake the following in two of the subjects passed at Level 1

Level Credits

First Subject 2 60

Second Subject 2 40

Third Year

11.123.16 All full-time students shall undertake classes amounting to 120 credits.

All students shall take 1 x 20 credit class or 2 x 10 credit classes from a list of interdisciplinary elective classes approved by the Faculty, including where appropriate, participation in a Vertically Integrated Project (VIP).

In addition, students shall undertake

100 credits in one of the subjects passed at Level 2\*

OR

80 credits in one of the subjects passed at Level 2 and 20 credits in the other subject passed in Level 2+,

OR

60 credits in one subject passed at Level 2 and 40 credits in the other subject passed at Level 2++,

\* May qualify a student for Single Honours in that subject

+ May qualify a student for Single Honours in the first subject.

++ May qualify a student for Single Honours in the first subject or Joint Honours (including Major-Minor) in both subjects

Subjects at Levels 2 and 3

11.123.17 Humanities and Social Sciences Faculty:

Education See Regulation 11.123.37

English See Regulation 11.123.41

History See Regulation 11.123.61

Journalism and Creative Writing See Regulation 11.123.71

Law See Regulation 11.123.81

Modern Languages: (French, Italian and Spanish) See Regulation 11.123.91

Politics and International Relations See Regulation 11.123.101

Psychology See Regulation 11.123.112

Social Policy See Regulation 11.123.118

Subjects offered by other Faculties:

Economics See Regulation 11.123.131

Hospitality and Tourism Management See Regulation 11.123.141

Human Resource Management See Regulation 11.123.151

Marketing See Regulation 11.123.161

Mathematics See Regulation 11.123.171

Progress

11.123.18 A student who fails a class which is not a compulsory requirement for progression may be permitted to take an appropriate substitute class.

11.123.19 Notwithstanding Regulation 11.1.31, a student who has been excluded from the degree examinations in a class in any one year, but has otherwise satisfied the relevant progress regulations, shall normally be required to re-attend the class.

Progress (Full-time Study)

11.123.20 In order to progress to Year 2, a student must have accumulated at least 100 credits including the credits for both of the Year 1 classes in two subjects to be studied at Year 2.

11.123.21 In order to progress to Year 3, a student must have accumulated at least 220 credits and have satisfied the requirements of their chosen Subjects.

11.123.22 In order to progress to Year 4, a student must normally have accumulated no fewer than 360 credits and have satisfied the Honours entry requirements in their chosen Subject(s).

Progress (Part-time Study)

11.123.23 In any year of study, students must normally pass all classes taken.

11.123.24 The final Honours classification will normally be based on

(i) the first assessed attempt at compulsory and specified optional classes taken in the Honours year and, as appropriate, in the third year;

Award

11.123.25 **BA with Honours**: In order to qualify for the award of the BA with Honours in a specified subject or subjects, a candidate must have accumulated no fewer than 480 credits.

11.123.26 **BA with Honours with International Study**: In order to qualify for the award of the BA with Honours in a specified subject or subjects, a candidate must have accumulated no fewer than 480 credits, including at least one semester at a partner institution abroad.

11.123.27 *Modern Language students only:* ***Distinction in the Spoken Language:*** *A candidate who qualifies for the award of the degree of BA with Honours in a Modern Language with another subject and who has, met published criteria in the oral examination may be awarded the Honours degree with Distinction in the Spoken Language.*

11.123.28 **BA:** In order to qualify for the award of the BA in Humanities and Social Sciences, a candidate must have accumulated no fewer than 360 credits including at least 60 credits from Level 3.

11.123.29 **BA with International Study**: In order to qualify for the award of the BA in a specified subject or subjects, a candidate must have accumulated no fewer than 360 credits, including at least 60 from Level 3 and at least one semester at a partner institution abroad.

11.123.30 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Humanities and Social Sciences, a candidate must have accumulated no fewer than 240 credits including at least 100 from Level 2.

11.123.31 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Humanities and Social Sciences, a candidate must have accumulated no fewer than 120 credits.

11.123.32

to 11.123.35 (Numbers not used)

Subjects and Honours Requirements

Specialisation in Education

Place of Study

11.123.36 The course involves placements in schools and community organisations for which a student must be a member of the PVG (Protecting Vulnerable Groups) Scheme. If they are already a member they must apply for an update.

Subject Requirements

11.123.37 Students taking Education as a Subject shall undertake a curriculum in Education as follows:

Compulsory Classes Level Credits

X9 280 Learners and Learning 2 20

X9 279 Informal Education 2 20

X9 308 History and Philosophy of Education 3 20

X9 310 Children and Childhood 3 20

X7 309 Social Pedagogy with Adults 3 20

Joint Honours Curriculum in Education and another Subject

11.123.38 All students shall undertake a curriculum in Education as follows:

Optional Classes Level Credits

60 credits chosen from

X7 431 Policy and Politics in Education 4 20

X7 433 Social Issues in Education 4 20

X7 435 Social Research Methods 4 10

and a minimum of 10 credits from any other classes that may be offered to Education students at Level 4.

or

40 credits chosen from the list of optional classes above

and Level Credits

X7 432 Dissertation in Education 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Education with another Subject

11.123.39 All students shall undertake a curriculum in Education as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.120.38

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Specialisation in English

Subject Requirements

11.123.41 Students taking English shall undertake a curriculum in English as follows:

Compulsory Classes

QQ 264 Renaissance Literature 2 20

QQ 266 Enlightenment to Romanticism 2 20

QQ 607 Victorian Literature 3 20

QQ 608 Twentieth Century Literature 3 20

Optional Classes

20 credits chosen from:

QQ205 Literature, Culture and Technology 2 3 20

QQ 265 Literature, Criticism, Theory 2 20

QQ 302 Order and Nature in Renaisssance Writing 3 20

QQ 304 Sin in Renaissance Drama 3 20

QQ 305 Arthurian Legend from Monmouth to Monty

Python 3 20

QQ 307 Nineteenth Century American Literature 3 20

QQ 324 TextLab (3) 3 20

QQ 327 Theories of Literature and Wellbeing 3 20

QQ 607 Victorian Literature 3 20

QQ 608 Twentieth Century Literature 3 20

QQ 609 America in the 1920s 3 20

QQ 610 Style 3 20

QQ 612 The Sexed Self: Gender, Sexuality,

Autobiography 3 20

QQ 613 Scottish Literature: 1770-1914 3 20

QQ 616 The Glasgow Novel 3 20

QQ 617 Literature in the First World War 3 20

QQ 618 Detective Fiction 3 20

QQ 622 Children’s Literature 3 20

QQ 623 Reading Poetry 3 20

QQ 624 Journalism and Popular Culture 3 20

QQ 626 Directing in the Theatre 3 20

QQ 627 From Greek Theatre to the National Theatre of

Scotland 3 20

QQ 631 Adaptations: Literature and Cinema 3 20

QQ 666 Shakespeare Studies 3 20

Single Honours Curriculum in English

11.123.42 All students shall undertake a curriculum in English as follows:

Compulsory Class Level Credits

QQ 701 Dissertation in English 4 20

Optional Classes

P3 724 The Journalism of War 4 20

P3 728 Ethical Issues in Journalism 4 20

QQ 402 Atrocity and Modernism 4 20

QQ 403 Animals and the Writing of Fiction 4 20

QQ 404 Women Writing Revolution 4 20

QQ 405 Introduction to Digital Humanities 4 20

QQ 406 Global Modernisms 4 20

QQ 407 Text Lab 4 4 20

QQ 408 Classical Literature in Translation 4 20

QQ 410 Contemporary Travel Writing 4 20

QQ 412 Versions of Tragedy 4 20

QQ 413 The American West in Fiction and Film 4 20

QQ 414 Literature, Mind and Brain 4 20

QQ 417 The Dramatic Work in Performance 4 20

QQ 418 Wild in the Renaissance 4 20

QQ 419 Modern Periodicals 4 20

QQ 420 The 20th and 21st Century Novel 4 20

QQ 702 Journeys and Travel Writing 4 20

QQ 703 Time Represented and Experienced 4 20

QQ 704 The Sound of Poetry 4 20

QQ 707 Shakespeare: From Tragedy to Tragicomedy 4 20

QQ 708 Shakespeare and Language 4 20

QQ 709 Screen Adaptation 4 20

QQ 710 Scottish Literary Modernism 4 20

QQ 711 Oral Narratives and Fairytales 4 20

QQ 712 The Nineteen Thirties: Literature and Culture 4 20

QQ 713 Language and Media 4 20

QQ 714 Victorian Gothic 4 20

QQ 715 An Introduction to Gay and Lesbian Literature 4 20

QQ 716 Experimental Literatures 4 20

QQ 717 La Belle Epoque: Edwardian Literature and

Culture, 1900-1914 4 20

QQ 718 Transatlantic Comic Writing 1900-1950 4 20

QQ 720 Philosophy and Science in the Enlightenment 4 20

QQ 721 Vladimir Nabokov – Two Great Novels 4 20

QQ 722 Cultures of Transgression 4 20

QQ 723 Media and Literary Publics 4 20

QQ 725 The Dramatic Work in Performance 4 20

QQ 726 Literary Snobbery 4 20

QQ 727 Present-day Victorians 4 20

QQ 729 Studio Theatre Performance 4 20

QQ 732 Superfluous Man in the 19th Century 4 20

Major Honours Curriculum in English with another Subject

11.123.43 All students shall undertake a curriculum in English as follows:

Compulsory Class Level Credits

QQ 701 Dissertation in English 4 20

Optional Classes

60 credits chosen from the list of optional classes in Regulation 11.123.42

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in English and another Subject

11.123.44 All students shall undertake a curriculum in English as follows:

Optional Classes Level Credits

Either

60 credits chosen from the list of optional classes in Regulation 11.123.42

Or

QQ 701 Dissertation in English 4 20

and 40 credits chosen from Regulation 11.123.42

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in English with another Subject

11.123.45 All students shall undertake a curriculum in English as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.123.42

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.46

to 11.123.60 (Numbers not used)

Specialisation in History

Subject Requirements

11.123.61 Students taking History shall undertake a curriculum as follows:

Compulsory Class Level Credits

V1 326 Historiography and Research Methods 3 20

Optional Classes

V1 212 Cultures of Empire: The British Experience 2 20

V1 213 Disease and Society: An Introduction to the

History of Medicine 2 20

V1 214 History of Scotland, 1700-1832 2 20

V1 215 History of Scotland, 1832-1914 2 20

V1 216 History of the United States of America since

1877 2 20

V1 217 Modern Europe 2 20

V1 218 Science, Technology and the Making of the

Modern World 2 20

V1 220 Scotland 1469-1603: Renaissance and Reformation 2 20

V1 303 France at War 1870-1962 3 20

V1 304 The American West 3 20

V1 307 Religion Behind the Iron Curtain 3 20

V1 314 Genocide in the 20th Century 3 20

V1 324 Dangerous Drugs and Magic Bullets: Social

History of Medicines, 1800 – 2000 3 20

V1 325 From Samurai to Entrepreneurs: The Birth of

Modern Japan 3 20

V1 327 History of Irish Society 1660-1850 3 20

V1 330 Propaganda and War in the Twentieth Century 3 20

V1 333 Scotland’s ‘Highland Problem’?: Crown-Clan 3 20

V1 334 Scottish Society since 1914 3 20

V1 335 Slavery in World History 3 20

V1 336 Society and Politics in Colonial India: 1880s-1947 3 20

V1 337 The Covenanters and the British Civil Wars,

c1637-51 3 20

V1 341 Disability in Modern Britain 3 20

V1 378 Oral History Theory and Practice 3 20

V1 389 Cold War Europe 1945-1991 3 20

V1 391 Empires and India: South Asia 1526-1857 3 3 20

V1 392 Medicine and Warfare 3 20

V1 393 Conflict in the Middle East 1900-1973 3 20

V1 394 Madness & Society: Ancient to Present 3 20

V1 3XX Work and Community Placement in Oral History 3 20

Single Honours Curriculum in History

11.123.62 All students shall undertake a curriculum in History as follows:

Compulsory Class Level Credits

V1 913 Dissertation in History 4 20

Optional Classes

100 credits chosen from the lists below including at least 40 credits from List A and 60 credits from List B

List A: Special Subjects (classes must be taken in pairs as indicated)

V1 237 Men at War, 1914-1945 (Part 1) 4 20

and

V1 238 Men at War, 1914-1945 (Part 2) 4 20

V1 409 The Scramble for the Middle East 1, Arab   
 Nationalism, Zionism and European Colonial   
 Powers, 1914-1939 4 20

and

V1 410 The Scramble for the Middle East 2, Arab   
 Nationalism, Zionism and European Colonial   
 Powers, 1914-1939 4 20

V1 412 Becoming British? Scotland, England and Ireland,   
 in the Sixteenth Century 1 4 20

and

V1 413 Becoming British? Scotland, England and Ireland,  
 In the Sixteenth Century 2 4 20

V1 425 Scandals and Ethics 1: The History of Pharmacy 4 20

and

V1 426 Scandals and Ethics 2: The History of

Pharmaceuticals 4 20

V1 427 Britain, France and European Unity 1, 1945-1956 4 20

and

V1 428 Britain, France and European Unity 2, 1957-1973 4 20

V1 429 The 1707 Act of Union in a British and European

Context 1 4 20

and

V1 430 The 1707 Act of Union in a British and European

Context 2 4 20

V1 435 The United States between the Wars: 1 World   
 War One and the Prosperity Decade 4 20

and

V1 436 The United States Between the Wars: 2 The   
 Great Depression and the New Deal 4 20

V1 444 The Price of Health Care: The UK, Canada and

USA, since 1800: 1 4 20

and

V1 445 The Price of Health Care: The UK, Canada and

USA, since 1800: 2 4 20

V1 446 Scotland and Britain 1: The Development of   
 Scottish and British National Identities in   
 Scotland from c1707 to c1850 4 20

and

V1 447 Scotland and Britain 2: The Development of   
 Scottish and British National Identities in   
 Scotland since c1850 4 20

V1 941 Imperialism, Politics and Society in Britain 1,   
 1870–1914 4 20

and

V1 942 Imperialism, Politics and Society in Britain 2,   
 1870–1914 4 20

V1 944 Social History of Work, 1880–1951: 1   
 Perspectives 4 20

and

V1 945 Social History of Work, 1880–1951: 2 Primary   
 Sources 4 20

V1 951 Madness in the Modern World 1 4 20

and

V1 952 Madness in the Modern World 2 4 20

V1 469 Health on the Colour Line: African Americans

and Medicine I 4 20

and

V1 470 Health on the Colour Line: African Americans

and Medicine II 4 20

V1 480 The Power of Persuasion: Media, Propoganda

and the State in the 20C I 4 20

and

V1 481 The Power of Persuasion: Media, Propoganda

and the State in the 20C II 4 20

V1 463 Plantation in Ulster, c 1550-1625 I 4 20

and

V1 458 Plantation in Ulster, c 1550-1625 II 4 20

V1 466 Rwanda: Peace, Conflict and the Politics

of History (Part 1) 4 20

and

V1 467 Rwanda: Peace, Conflict and the Politics

of History (Part 2) 4 20

List B: Honours Classes\*

V1 493 Medicine and Warfare in the Twentieth Century 4 20

V1 404 France at War, 1870-1962 4 20

V1 405 Scottish Society since 1914 4 20

V1 406 Cold War Europe 1945-1991 4 20

V1 406 Bombers and Mash: Britain and the Home Front

1939-1945 4 20

V1 408 Woman and the Family in Early Modern Scotland 4 20

V1 416 The Patriarchal Family in Early Modern Scotland 4 20

V1 419 Scotland’s ‘Highland Problem’?: Crown-Clan   
 Relations in the Sixteenth Century 4 20

V1 420 Living under a Dictator: Politics and Society in   
 Fascist Italy 4 20

V1 424 The Covenanters and the British Civil Wars,

c1637-51 4 20

V1 432 Meiji Japan: Samurai to Entrepreneurs 4 20

V1 449 The American West 4 20

V1 452 Society and Politics in Colonial India: 1880s-1947 4 20

V1 456 Oral History: Theory and Practice 4 20

V1 457 Madness & Society: Ancient to Present 4 20

V1 462 Disability in Modern Britain 4 20

V1 465 Genocide in the 20th Century 4 20

V1 468 Sex, Medicine and Society in Britain and Ireland

1880’s – 1980’s 4 20

V1 479 Slavery in World History 4 20

V1 482 Irish Society, c1700-1860 4 20

V1 498 Empires and India: South Asia 1526-1857 4 20

V1 499 Work and Community Placement 4 20

V1 946 Dangerous Drugs and Magic Bullets: Social   
 History of Medicines, 1800 – 2000 4 20

V1 958 Propaganda and War in the Twentieth Century 4 20

V1 XXX Living Under the Raj: Colonial South Asia

1857-1947 4 20

*\* Some restrictions apply on combinations of classes in this list with those in List A - Special Subjects.*

Major Honours Curriculum in History with another Subject

11.123.63 All students shall undertake a curriculum in History as follows:

Compulsory Class Level Credits

V1 913 Dissertation in History 4 20

Optional Classes

40 credits chosen from List A in Regulation 11.123.62 and 20 credits chosen from List B in Regulation 11.123.62

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in History and another Subject

11.123.64 All students shall undertake a curriculum in History as follows:

Optional Classes

40 credits chosen from List A in Regulation 11.123.62

and either

20 credits chosen from List B in Regulation 11.123.62

or

V1 913 Dissertation in History 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in History with another Subject

11.123.65 All students shall undertake a curriculum in History as follows:

Optional Classes

40 credits chosen from List B in Regulation 11.123.62

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.66

to 11.123.70 (Numbers not used)

Specialisation in Journalism and Creative Writing

Subject Requirements

11.123.71 Students taking Journalism and Creative Writing as a Subject shall undertake a curriculum in Journalism and Creative Writing as follows:

Compulsory Classes Level Credits

P3 200 Creative Writing 2 2 20

P3 201 Journalism 2 2 20

P3 301 Journalism 3 3 20

P3 305 Creative Writing 3 3 20

Optional classes

P3 202 Journalism and Creative Writing 2 2 20

Joint Honours Curriculum in Journalism and Creative Writing and another Subject

11.123.72 All students shall undertake a curriculum in Journalism and Creative Writing as follows:

Optional Classes Level Credits

Either 60 credits chosen from

P3 402 Journalism and Popular Culture 4 20

P3 403 Journalism Portfolio 4 20

P3 408 Creative Writing Portfolio 4 20

P3 410 New Narratives 4 20

P3 728 Ethical Issues in Journalism 4 20

QQ 723 Media and Literary Publics 4 20

P3 412 Writing Fiction 4 20

P3 413 Digital Communication and Society 4 20

or

40 credits chosen from the list of optional classes above

and

P3 404 Dissertation in Journalism 4 20

or

40 credits chosen from the list of optional classes above

and

P3 409 Dissertation in Creative Writing 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Journalism and Creative Writing with another Subject

11.123.73 All students shall undertake a curriculum in Journalism and Creative Writing as follows:

Optional Classes

40 credits chosen from List of optional classes in Regulation 11.123.72

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.74

to 11.123.80 (Numbers not used)

Specialisation in Law

Subject Requirements

11.123.81 Students taking Law as a Subject shall undertake a curriculum in Law as follows:

Optional Classes Level Credits

120 credits chosen from:

M9 111 Criminal Law \* 1 20

M9 112 Voluntary Obligations: Contract and Promise\* 1 20

M9 113 Law and Society \* 1 20

M9 115 Legal Process \* 1 20

M9 207 Public Law 2 2 20

M9 208 Domestic Relations 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

M9 212 European Union Law 2 20

M9 305 Law, Film and Popular Culture 3 20

M9 307 Crime and Punishment 3 20

M9 308 Human Rights Law 3 20

M9 309 Employment Law 3 20

M9 310 Planning Law 3 20

M9 311 Banking Law and Finance 3 20

M9 312 Legal Theory 3 20

M9 313 Housing Law 3 20

M9 314 Intellectual Property Law 3 20

M9 352 Internet Law 3 20

M9 317 Public International Law 3 20

M9 318 Competition Law 3 20

M9 319 Discrimination Law 3 20

M9 338 Local Government Law 3 20

*\* Students may select a maximum of 20 credits of Level 1 classes.*

Joint Honours Curriculum in Law and another Subject

11.123.82 All students shall undertake a curriculum in Law as follows:

Optional Classes

60 credits chosen from:

M9 404 Issues in Intellectual Property Law 4 20

M9 407 Law, Persons and Property 4 20

M9 408 European Union Law 4 20

M9 409 Criminology 4 20

M9 410 Public International Law 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 414 Mediation 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 426 Computer Law 4 20

M9 427 Legal Theory 4 20

M9 428 Legislation 4 20

M9 433 Constitutional Law 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 456 Law, Justice and Society 4 20

Or

Level Credits

M9 498 Dissertation in Law 4 20

and 40 credits chosen from the list of optional classes in Regulation 11.123.82

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Law with another Subject

11.123.83 All students shall undertake a curriculum in Law as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.123.81

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.84

to 11.123.90 (Numbers not used)

Specialisation in Modern Languages

Subject Requirements

11.123.91 Students taking a Modern Language as a Subject must normally have obtained the credits from the corresponding Level 1 class in Regulation 11.123.14. Before entering a Level 3 language class, students must normally have obtained the credits from the corresponding Level 2 language class.

*French*

Compulsory Classes Level Credits

R1 203 French Language 2A 2 20

R1 204 French Language 2B 2 20

R1 305 French Language 3A 3 20

R1 306 French Language 3B 3 20

Optional Classes

20 credits chosen from list A below:

*Italian*

Compulsory Classes Level Credits

R3 203 Italian Language 2A 2 20

R3 204 Italian Language 2B 2 20

R3 305 Italian Language 3A 3 20

R3 306 Italian Language 3B 3 20

Optional Classes

20 credits chosen from list A below

*Spanish*

Compulsory Classes Level Credits

R4 206 Spanish Language 2A 2 20

R4 207 Spanish Language 2B 2 20

R4 308 Spanish Language 3A 3 20

R4 309 Spanish Language 3B 3 20

Optional Classes

20 credits chosen from list A below:

List A - Optional Classes

Level Credits

*French*

R1 215 French Culture and History 2 2 20

R1 310 Freedom and Identity in France and the

Francophone World 3 20

*Italian*

R3 200 Modern Italy – State, Culture and Society 2 20

R3 374 Italian Stage and Screen 3 20

*Spanish*

R4 200 Independence and Isolation in Spain and

Latin America 2 20

R4 373 The Struggle for Modernity in Spain and Latin

America 3 20

Admission to Joint Honours in a Modern Language and another subject

11.123.92 All students must have met the requirements of Regulation 11.123.22. For admission to Joint Honours, students must have satisfied the Subject requirement in the language taken.

Before admission to Honours, students are normally required to spend an academic year in residence in a country where the language is spoken, subject to the approval of the Head of School.

Admission to Minor Honours in a Modern Language

11.123.93 All students must meet the requirements of Regulation 11.123.22. For admission to Honours with a Modern Language as the Minor subject, students must have passed 40 Level 2 Language credits and 40 Level 3 Language credits in the Modern Language.

Before admission to Honours, students are normally required to spend an academic year in residence in a country where the language is spoken, subject to the approval of the Head of School.

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in a Modern Language and another Subject

11.123.94 All students shall undertake a curriculum in a Modern Language as follows:

*French*

Compulsory Classes

R1 510 French Honours Written Language 4 20

R1 509 French Honours Spoken Language 4 20

Optional Classes

*Either*

R1 498 Dissertation in French 4 20

*Or*

20 credits chosen from:

R1 402 The Occupation and its Portrayal in French Films 4 10

R1 408 France since 1945 4 10

R1 401 Images of Woman 4 10

R1 411 Writing the Body in French and Francophone

Contemporary Literature 4 10

*Italian*

Compulsory Classes

R3 433 Italian Honours Written Language 4 20

R3 432 Italian Honours Spoken Language 4 20

Optional Classes

*Either*

R3 498 Dissertation in Italian 4 20

*Or*

20 credits chosen from:

R3 534 Nineteenth and Twentieth Century Novelists 4 10

R3 532 Italian Writing Skills 4 10

R3 532 Italian Resistance Culture 4 10

*Spanish*

Compulsory Classes

R4 501 Spanish Honours Written Language 4 20

R4 502 Spanish Honours Spoken Language 4 20

Optional Classes

*Either*

R4 498 Dissertation in Spanish 4 20

*Or*

20 credits chosen from:

R4 449 Shaping Spain: Ideas, Beliefs and Identity 4 10

R4 406 Translation Studies: Key Debates and Theories 4 10

R4 402 Hispanic Studies 4 4 10

R4 526 The Latin American Short Story 4 10

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in a Modern Language with another Subject

11.123.95 All students shall undertake a curriculum in the Modern Language as follows:

*French Minor*

Compulsory Classes Level Credits

R1 510 French Honours Written Language 4 20

R1 509 French Honours Spoken Language 4 20

*Italian Minor*

Compulsory Classes

R3 433 Italian Honours Written Language 4 20

R3 432 Italian Honours Spoken Language 4 20

*Spanish Minor*

Compulsory Classes

R4 501 Spanish Honours Written Language 4 20

R4 502 Spanish Honours Spoken Language 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Honours Curriculum in Modern Languages with a Business Subject

11.123.96 All students shall undertake a curriculum in both Modern Languages as follows:

*French*

Compulsory Classes Level Credits

R1 510 French Honours Written Language 4 20

R1 509 French Honours Spoken Language 4 20

*Italian*

Compulsory Classes

R3 433 Italian Honours Written Language 4 20

R3 432 Italian Honours Spoken Language

*Spanish*

Compulsory Classes

R4 501 Spanish Honours Written Language 4 20

R4 502 Spanish Honours Spoken Language 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.97 to

11.123.100 (Numbers not used)

Specialisation in Politics and International Relations

Subject Requirements

11.123.101 All students taking Politics and International Relations as a Subject shall undertake a 2nd Year curriculum in Politics and International Relations as follows:

No more than 60 credits chosen from the following optional classes:

Optional Classes

L2 201 International Relations and Global Politics 2 20

L2 203 Modern Political Thought 2 20

L2 204 Comparative Politics 2 2 20

All students shall undertake a 3rd Year curriculum in Politics and International Relations as follows:

No more than 40 credits chosen from the following optional classes and the compulsory class:

Compulsory Class Level Credits

L2 305\* Research Methods for Political Scientists 3 20

Optional classes

L2 340 Contemporary British Governance 3 20

L2 303 The Politics of European Integration 3 20

L2 304 Quantitative Methods for Social Research 3 20

L2 306 Elections and Voting in Britain 3 20

L2 307 Chinese Politics 3 20

L2 308 European Politics 3 20

L2 309 American Politics 3 20

L2 310 Scottish Politics 3 20

L2 311 Local Politics 3 20

L2 312 War, Terrorism and Conflict 3 20

L2 313 Parliamentary Studies 3 20

L2 314 United States National Security Policy 3 20

L2 339 Politics of International Law 3 20

\* *Students must have taken the class Research Methods for Political Scientists before proceeding to Quantitative Methods for Social Research*

Single Honours Curriculum in Politics and International Relations

11.123.102 All students shall undertake a curriculum in Politics and International Relations as follows:

Compulsory Class Level Credits

L2 404 Politics and International Relations Dissertation 4 20

Optional Classes

100 credits chosen from:

L2 410 Political Parties: Background to Policy Making 4 20

L2 411 Comparative Politics 4 20

L2 412 Green Politics 4 20

L2 413 Political Behaviour420

L2 421 Feminism and Politics 4 20

L2 422 International Relations Theory in a Global Age:   
 Rethinking the Key Concepts 4 20

L2 426 International Security: Concepts and Issues 4 20

L2 405 United States’ National Security Policy 4 20

Major Honours Curriculum in Politics and International Relations with

another Subject

11.123.103 All students shall undertake a curriculum in Politics and International Relations as follows:

Compulsory Class Level Credits

L2 404 Politics and International Relations Dissertation 4 20

and 60 credits chosen from the list of optional classes in Regulation 11.120.102.

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Politics and International Relations and

another Subject

11.123.104 All students shall undertake a curriculum in Politics and International Relations as follows:

Optional Classes

either

60 credits chosen from the list of optional classes in Regulation 11.123.102

or

Level Credits

L2 404 Politics and International Relations Dissertation 4 20

and 40 credits chosen from the list of optional classes in Regulation 11.123.102.

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Minor Honours Curriculum in Politics and International Relations with

another Subject

11.123.105 All students shall undertake a curriculum in Politics as follows:

Optional Classes

40 credits chosen from the list of classes in Regulation 11.123.102

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.106

to

11.123.110 (Numbers not used)

Specialisation in Psychology

11.123.111 Students taking any class in Psychology are normally required to attend and perform satisfactorily in the practical and/or statistical work appropriate to their year of study.

Subject Requirements

11.123.112 Students taking Psychology as a Subject shall undertake a curriculum in Psychology as follows:

Compulsory Classes:

C8 201 Cognition and Neuropsychology 2 20

C8 202 Social and Health Psychology 2 20

C8 203 Introduction to Research Design and Analysis 2 20

C8 302 Research Methods in Psychology 3 20

Optional Classes

40 credits chosen from:

C8 303 Individual Differences 3 20

C8 304 Cognition 3 20

C8 305 Development 3 20

C8 306 Psychobiology 3 20

C8 307 Social Psychology 3 20

Single Honours Curriculum in Psychology

11.123.113 All students shall undertake a curriculum in Psychology as follows:

Compulsory Classes Level Credits

C8 426 Dissertation in Psychology 4 40

Optional Classes

80 credits chosen from:

C8401 Advanced Psychological Theory and Practice I 4 20

C8402 Advanced Psychological Theory and Practice II 4 20

C8404 Advanced Psychological Theory and Practice III 4 20

C8405 Advanced Psychological Theory and Practice IV 4 20

41 402 Advanced Organisational Behaviour 4 20

C8425 ERASMUS International Work Placement 4 20

Major Honours Curriculum in Psychology with another Subject (except Mathematics)

11.123.114 All students shall undertake a curriculum in Psychology as follows:

Compulsory Classes Level Credits

C8 427 Dissertation in Psychology 4 20

Optional Classes

60 credits chosen from

C8401 Advanced Psychological Theory and Practice I 4 20

C8402 Advanced Psychological Theory and Practice II 4 20

C8404 Advanced Psychological Theory and Practice III 4 20

C8405 Advanced Psychological Theory and Practice IV 4 20

41 402 Advanced Organisational Behaviour 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Psychology and another Subject (except Mathematics)

11.123.115 All students shall undertake a curriculum in Psychology as follows:

Optional Classes

60 credits chosen from the list of optional classes in Regulation 11.123.114

or

C8 427 Dissertation in Psychology 4 20

and 40 credits chosen from the list of optional classes in Regulation 11.123.114.

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Joint Honours Curriculum in Psychology and Mathematics

11.123.116 All students shall undertake a curriculum in Psychology and Mathematics as follows

Compulsory Classes Level Credits

C8 427 Dissertation in Psychology 4 20

Optional Classes

40 credits in Psychology chosen from the list of optional classes in Regulation 11.123.114 and 60 credits in Mathematics chosen from the list of optional classes in Regulation 11.123.172.

Minor Honours Curriculum in Psychology with another Subject (except Mathematics)

11.123.117 All students shall undertake a curriculum in Psychology as follows:

Optional Classes

40 credits chosen from the list of optional classes in Regulation 11.123.114

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Specialisation in Social Policy

Subject Requirements

11.123.118 All students taking Social Policy as a Subject shall undertake a 2nd Year curriculum in Social Policy as follows:

No more than 60 credits chosen from the following optional classes:

Optional Classes

L5217 Scottish Social Policy since 1845 2 20

L5218 Key Concepts in Social Welfare 2 20

L5216 The Making of Social Policy 2 20

All students shall undertake a 3rd Year curriculum in Social Policy as follows:

Compulsory Classes Level Credits

XXXX Research Methods in Social Policy+ 3 20

XXXX Scottish Social Welfare in a UK Context 3 20

+ Students may choose to substitute a research methods class from a parallel course if appropriate.

Optional classes

Students who take Research Methods in Social Policy must choose one option (20 credits) from the following list. Students who take a research methods class from a different discipline may choose two options (40 credits) from the following list:

XXXX Social Policy 301/Placement module 3 20

XXXX Social Policy 302/402 3 20

XXXX Social Policy 303/403 3 20

XXX Social Policy 304/404 3 20

Joint Honours Curriculum in Social Policy and another Subject

11.123.119 All students shall undertake a curriculum in Social Policy as follows:

Either:

Level Credits

L2424 The Welfare State in Comparative Policy 4 20

XXXX Dissertation in Social Policy 4 20

Plus an optional class (20 credits) from the following list:

XXXX Social Policy 302/402 4 20

XXXX Social Policy 303/403 4 20

XXXX Social Policy 304/404 4 20

Or:

Level Credits

L2424 The Welfare State in Comparative Policy 4 20

Plus two optional classes (40 credits) from the following list:

XXXX Social Policy 302/402 4 20

XXXX Social Policy 303/403 4 20

XXXX Social Policy 304/404 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Students may not repeat a class taken in year 3 as part of their year 4 programme.

Minor Honours Curriculum in Social Policy with another Subject

11.123.120 All students shall undertake a curriculum in Social Policy as follows:

Optional Classes

40 credits chosen from the list of classes in Regulation 11.123.119

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

Students may not repeat a class taken in year 3 as part of their year 4 programme.

11.123.121

to

11.123.130 (Numbers not used)

Specialisation in Economics

Subject Requirements

11.123.131 Students taking Economics as a Subject shall undertake a curriculum in Economics as follows:

Compulsory Classes Level Credits

EC 212 Microeconomics 2 2 20

EC 213 Macroeconomics 2 2 20

EC 312 Microeconomics 3 3 20

EC 313 Macroeconomics 3 3 20

Joint Honours Curriculum in a Humanities and Social Sciences Subject and Economics

11.123.132 All students shall undertake a curriculum as follows:

Compulsory Classes Level Credits

Either

EC 403 Microeconomics 4 4 20

or

EC 404 Macroeconomics 4 4 20

Optional Classes

40 credits chosen from the following list of optional classes:

EC412 Industrial Economics 4 20

EC413 Applied Econometrics 4 20

EC414 Financial Development and Economic Growth 4 20

EC415 Behavioural Economics 4 20

EC416 Natural Resource, Environmental &

Energy Economics 4 20

EC419 Economics Dissertation 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.133

to 11.123.140 (Numbers not used)

Specialisation in Hospitality and Tourism Management

Subject Requirements

11.123.141 Students taking Hospitality and Tourism Management as a Subject shall undertake a curriculum in Hospitality and Tourism Management as follows:

Compulsory Classes Level Credits

MG211 Managing the Service Encounter 2 20

MG212 Destination Marketing Management 2 20

MG314 Event Management and Working in the

Third Sector 3 20

MG316 Internationalisation of Tourism Products

And Services 3 20

Joint Honours Curriculum in a Modern Language and Hospitality and Tourism Management

11.123.142 All students shall undertake a curriculum in Hospitality and Tourism Management as follows:

Compulsory Class Level Credits

MG 423 Hospitality and Tourism Management Analysis: Case

Studies and Case Histories 4 20

Optional Classes

40 credits chosen from:

SH 424 Being an Ethical Manager 4 20

MG 402 Management, Enterprise and the Rise of the

Global Economy 4 20

MG 418 Strategy and Leadership 4 20

SH 408 HTM Dissertation 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.143

to

11.123.150 (Numbers not used)

Specialisation in Human Resource Management

Subject Requirements

11.123.151 Students taking Human Resource Management as a Subject shall undertake a curriculum in Human Resource Management as follows:

Compulsory Classes Level Credits

HR 207 Work Psychology 2 20

HR 208 Work Psychology for Human Resource

Management 2 20

HR303 Employment Relations 3 20

HR302 Work, Employement and Society 3 20

Joint Honours Curriculum in a Humanities and Social Sciences Subject and Human Resource Management

11.123.152 All students shall undertake a curriculum in Human Resource Management as follows:

Optional Classes

60 credits chosen from:

41 402 Advanced Organisational Behaviour 4 20

41 433 Human Resources in the Global Economy 4 20

HR 402 Perspectives on Work and Employment 4 20

HR 408 HRM and Employment Relations in Public Services 4 20

HR 409 HRM Dissertation (HaSS) 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.153

to

11.123.160 (Numbers not used)

Specialisation in Marketing

Subject Requirements

11.123.161 Students taking Marketing as a Subject shall undertake a curriculum as follows:

Compulsory Classes Level Credits

MK 209 Understanding Consumers and Markets 2 20

MK 212 Services and Retail Marketing 2 20

MK 328 Strategic Marketing in an International Context 3 20

MK 329 Marketing Communications in a Digital Age 3 20

Joint Honours Curriculum in a Modern Language and Marketing

11.123.162 All students shall undertake a curriculum in Marketing as follows:

Compulsory Classes Level Credits

MK 412 Brand Management 4 20

Optional Classes

40 credits chosen from:

MK 410 Advances in Consumer Behaviour 4 20

MK 415 International Business Management 4 20

MK 416 Managing Customer Relations 4 20

MK 418 Social Marketing 4 20

MK 419 Sports Marketing 4 20

MK 421 Managing Integrated Marketing

Comms: Theory & Practice 4 20

The credit requirements for the other Subject are specified in that subject’s specialisation regulations.

11.123.163

to

11.123.170 (Numbers not used)

Specialisation in Mathematics

Subject Requirements

11.123.171 Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 204 Probability and Statistical Interference 2 20

MM 302 Differential Equations 3 20

MM 304 Inference and Regression Modelling 3 20

Optional Classes

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

MM 206 Mathematical and Statistical Computing 2 20

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

Such other classes as may be approved by the Course Director.

Joint Honours Curriculum in a Psychology and Mathematics

11.123.172 All students shall undertake a curriculum in Mathematics as follows:

Optional Classes

60 credits chosen from:

MM 401 Communicating Mathematics and Stats 4 20

MM 402 Modelling and Simulation with Applications

to Financial Derivatives 4 20

MM 403 Applicable Analysis 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 405 Fluids and Waves 4 20 MM 406 Finite Element Methods for Boundary

Value Problems and Approximation 4 20 MM 407 Applied Statistics in Society 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\*Please note that not all of these classes will be available every year

11.123.173

to

11.123.200 (Numbers not used)

Primary Education

BA with Honours in Primary Education

BA with Honours in Primary Education with International Study

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.123.201 All students are normally admitted in the first instance as potential Honours students. Transfer to and from the BA in Humanities and Social Sciences is possible.

Mode of Study

11.123.202 The course is available by full-time study only.

Place of Study

11.123.203 The course involves placements in schools for which a student must be a member of the PVG (Protecting Vulnerable Groups) Scheme. If they are already a member they must apply for an update.

The degrees of students who spend all or part of an academic year at an overseas university as an accredited part of their undergraduate degree studies will be designated as BA Honours in Primary Education with International Study.

First Year

11.123.204 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

X9 173 Education 1A: Year 1 Placement and Curriculum 1 20

X9 172 Education 1B:Understanding Education in

the 21st Century 1 20

Optional Classes

2 x 40 credits of paired (1A + 1B) classes from Regulation 11.120.12

Second Year

11.123.205 Students will take 80 credits of Education classes in Year II and 2x 20 credits of Level 2 classes, normally chosen from each of their other Year I subjects:

Compulsory Classes

X9 281 Year 2 Pedagogy and Placement 2 20

X9278 Curriculum: Children’s Language, Literature and

Literacy in the Early Years of School 2 20

X9282 Curriculum: Mathematics in the Primary School 2 20

X9 280 Learners and Learning 2 20

Third Year

11.123.206 Students will take:

Compulsory Classes:

X7 315 Year 3 Pedagogy and Placement 1 3 20

X7 316 Year 3 Pedagogy and Placement 2 3 20

X7308 History and Philosophy of Education 3 20

X7314 Curriculum: Science, Technology and Information Communication Techologies 3 20

X7 307 Curriculum: The Arts (Music, Art & Design

and Drama) 3 20

X7 317 Curriculum: Learning for Sustainability through

Social Studies, RME and PE 3 20

Fourth Year

11.123.207 Students will take:

Compulsory Classes Level Credits

X7434 Year 4 Pedagogy and Placement 4 20

X7431 Policy and Politics in Education 4 20

X7433 Social Issues in Education 4 20

X7 405 Inclusive Practice in Literacy and Numeracy 4 20

X7435 Social Research Methods 4 10

X7 432 Dissertation 4 20

Optional Classes:

A 10 credit option class from a list approved by the Faculty

Progress

11.123.208 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum including those for the class X9 173 Education IA: Year 1 Placement and Curriculum.

11.123.209 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for the classX9 281 Pedagogy and Placement 1 and 2.

11.123.210 In order to progress to the fourth year of the course, a student must normally have obtained at least 360 credits from the course curriculum, including those for the classes X7 315 Pedagogy and Placement 1 and X7 316 Pedagogy and Placement 2.

In addition, a student must meet the minimum entry requirements in terms of grades set by the Subject for entry into the Honours Year. Students who elect to graduate after completing three Levels of an Honours programme, or who gain 360 credits but do not meet the Honours entry requirements of their Subject(s), or who fail to gain 120 credits in their Honours year, may graduate with the degree of BA in the Faculty of Humanities and Social Sciences. See Regulation 11.120.27 and 11.120.89.

Final Honours Classification

See Regulation 11.120.25 and 26

Award

11.123.211 **BA with Honours:** In order to qualify for the award of the BA with Honours in Primary Education, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.123.212 **BA with Honours with International Study:** In order to qualify for the award of the BA with Honours in Primary Education with International Study, a candidate must have accumulated no fewer than 480 credits from the course curriculum, including at least one semester at a partner institution abroad.

Transfer

11.123.213 A candidate who fails to satisfy the progress or award requirements for the degree of BA with Honours in Primary Education may be transferred to the degree of BA in Humanities and Social Sciences or Arts and Social Sciences respectively.

11.123.214

to 11.123.234 (Numbers not used)

**11.124 School of Humanities**

**BA with Honours in Intercultural Communication and Global Business**

**BA in Intercultural Communication and Global Business**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 11.1]

11.124.1 **Admission**

Notwithstanding Regulation 11.1.1, applicants will be admitted direct to Year 3 and will be given advanced standing to reflect their previous study. RPL will be awarded amounting to 240 credits.

11.124.2 **Status of the Courses**

All students are admitted in the first instance as potential Honours students.

11.124.3 **Mode of Study**

The courses are available by full-time study only.

11.124.4 **Curriculum**

**First Year and Second Year**

The first and second year is not taught as part of the course.

11.124.5 **Third Year**

All students shall undertake classes amounting 120 credits as follows:

|  |  |  |
| --- | --- | --- |
| Compulsory Classes | Level | Credits |
| BF304 International Leadership Development | 3 | 20 |
| L2 308 European Politics, | 3 | 20 |
| M9 352 Internet law | 3 | 20 |
| MK328 Strategic Marketing in an International Context | 3 | 20 |
| MS211 Managing Business Processes and Information Systems | 2 | 20 |
| L2 201 International Relations and Global Politics | 2 | 20 |

11.124.6 **Fourth Year**

All students shall undertake classes amounting 120 credits as follows:

|  |  |  |
| --- | --- | --- |
| Compulsory Classes | Level | Credits |
| P3 411 Digital Communication and Culture | 4 | 20 |
| BF404 Issues and Trends | 4 | 20 |
| R5 400 Dissertation | 4 | 20 |
| M9 412 Law of Business Associations | 4 | 20 |
| QQ 723 Media and Literary Publics | 4 | 20 |

Optional Classes

Choose 20 credits from the following classes:

|  |  |  |
| --- | --- | --- |
| Elective Classes | Level | Credits |
| M9 209 Commercial Law | 2 | 20 |
| P3 624 Journalism and popular culture | 3 | 20 |
| QQ 608 20th Century Literature | 3 | 20 |
| L2 309 American Politics | 3 | 20 |
|  |  |  |

11.124.7 **Progress**

In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the third year classes.

11.124.8 **Final Honours Classification**

The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes which are taken in the fourth year.

**Award**

11.124.9 **BA with Honours:** In order to qualify for the award of the degree of BA with Honours in Intercultural Communication and Global Business, a candidate must have accumulated no fewer than 480 credits including 240 credits from RPL**.**

11.124.10 **BA in Intercultural Commuinication and Global Business:** In order to qualify for the award of BA in Intercultural Communication and Global Business, a candidate must have gained a total of 360 credits of which 120 credits are from the course curriculum and 240 credits from RPL.

11.124.11

to 11.124.31 (number not used)

**11.125 School of Government and Public Policy**

BA with Honours in Philosophy, Politics and Economics

BA with Honours in Philosophy, Politics and Economics with International Study

BA in Philosophy, Politics and Economics

BA in Philosophy, Politics and Economics with International Study

Diploma of Higher Education in Philosophy, Politics and Economics

Certificate of Higher Education in Philosophy, Politics and Economics

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.125.1 All students are normally admitted in the first instance as potential Honours students.

Students may be admitted directly to Year 2 with advanced standing of 120 credits.

Mode of Study

11.125.2 The courses are available by both full-time and part-time study.

Place of Study

11.125.3 The BA Hons in Philosophy, Politics and Economics with International Study requires accredited study at an approved institution abroad for a period of at least one semester.

Curriculum

First Year

11.125.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

L2101 Politics 1a 1 20

L2102 Politics 1b 1 20

EC111 Introduction to Economics 1 20

L2 104 Philosophy: Logic and Argumentation 1 20

Optional Classes

40 credits chosen from the list of classes in Regulation 11.123.14.

Second Year

11.125.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes: Level Credits

L2204 Comparative Politics 2 20

L2201 International Relations and Global Politics 2 20

L2235 Political Philosophy 2 20

L2234 Logic and Ethical Reasoning 2 20

EC212 Microeconomics 2 2 20

EC213 Macroeconomics 2 2 20

Third Year

11.125.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

L2305 Research Methods for Political Scientists 3 20

L2342 Logic of Scientific Inquiry 3 20

L2341 Ethics, Politics and Justice 3 20

EC307 Microeconomics 3 3 20

EC308 Macroeconomics 3 3 20

Students will take an additional 20 units from optional classes in Politics (Regulation 11.120.101), OR Economics (Regulation 11.80.64) OR from the list of Interdisciplinary elective classes approved by the Faculty.

Fourth Year

11.125.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

L2499 Dissertation in Politics 4 20

Or

EC419 Dissertation in Economics 4 20

L2431 Seminar in Philosophy, Politics and Economics 4 20

Optional Classes

Classes amounting to 80 credits chosen from the optional Politics classes in Regulation 11.123.102 and optional Economics classes in Economics in Regulation 11.80.65.

**Curriculum (Part-time study)**

11.125.8 Part-time students will normally take classes amounting to 60 credits in each year of study.

Progress (Full-time Study)

11.125.9 In order to progress to Level 2, a student must have accumulated at least 100 credits including the compulsory classes in Philosophy, Politics and Economics at Level 1.

11.125.10 In order to progress to Level 3, a student must have accumulated at least 220 credits including all compulsory classes at Level 2.

11.125.11 In order to progress to Level 4, a student must normally have accumulated no fewer than 360 credits including the compulsory classes at Level 3.

**Progress (Part-time Study)**

11.125.12 In any year of study, students must normally pass all classes taken.

Final Honours Classification

11.125.13 The final Honours classification will normally be based on:

(i) the first assessed attempt at compulsory and specified optional classes taken in the Honours year and, as appropriate, in the third year;

(ii) the current conventions governing the award of BA Honours degrees.

Award

11.125.14 **BA with Honours**: In order to qualify for the award of the degree of BA with Honours in Philosophy, Politics and Economics, a candidate must have accumulated no fewer than 480 credits.

11.125.15 **BA with Honours with International Study:** In order to qualify for the award of the degree of BA with Honours in Philosophy, Politics and Economics, a candidate must have accumulated no fewer than 480 credits, including at least one semester at a partner institution abroad.

11.125.16 **BA:** In order to qualify for the award of the degree of BA in Philosophy, Politics and Economics, a candidate must have accumulated no fewer than 360 credits.

11.125.17 **BA with International Study:** In order to qualify for the award of the degree of BA in Philosophy, Politics and Economics, a candidate must have accumulated no fewer than 360 credits, including at least one semester at a partner institution abroad.

11.125.18 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Philosophy, Politics and Economics, a candidate must have accumulated no fewer than 240 credits.

11.125.19 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Philosophy, Politics and Economics, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.125.20

to 11.125.51 (numbers not used)

11.128 Law

Bachelor of Laws (LLB) with Honours

Bachelor of Laws LLB

Diploma of Higher Education in Law

Certificate of Higher Education in Law

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.128.1 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.128.2The courses are available by full-time and part-time study to Ordinary degree level and by full-time study only at Honours degree level. Students may only take the LLB with entry with advanced standing with a BSc in Computer Science with Law by full-time study.

Credit Transfer and Exemption

11.128.3 Students with appropriate qualifications may be admitted with advanced standing in which case their curriculum shall be modified (see Regulations 11.128.31-11.128.35 and 11.128.41-11.128.45).

Curriculum (Full-time Study)

First Year

11.128.4 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credit

M9 111 Criminal Law 1 20

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 113 Law and Society 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

M9 116 Public Law 1 1 20

Second Year

11.128.5 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 207 Public Law 2 2 20

M9 208 Domestic Relations 2 20

M9 209 Commercial Law 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

M9 211 Property, Trusts and Succession 2 20

M9 212 European Union Law 2 20

Third Year

11.128.6 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

M9 306 Evidence 3 20

Elective Class(es) 20

Optional Classes

80 credits chosen from:

80 credits chosen from:

GU 306 Roman Law of Property and Obligations 3 20

M9 305 Law, Film and Popular Culture 3 20

M9 307 Crime and Punishment 3 20

M9 308 Human Rights Law 3 20

M9 310 Planning Law 3 20

M9 311 Banking Law and Finance 3 20

M9 312 Legal Theory 3 20

M9 313 Housing Law 3 20

M9 314 Intellectual Property Law 3 20

M9 316 International Private Law 3 20

M9 317 Public International Law 3 20

M9 318 Competition Law 3 20

M9 319 Discrimination and the Law 3 20

M9 320 Clinical Legal Practice\* 3 20

M9 345 Ethics and Justice\* 3 20

M9 338 Local Government Law 3 20

M9 352 Internet Law 3 20

Such other classes as may be approved by the Course Director.

\*Can only be taken by students working in the Law Clinic or approved work placement.

Fourth Year

11.128.7 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credit

M9 498 Dissertation 4 40

Optional Classes

80 credits chosen from:

M9 404 Issues in Intellectual Property 4 20

M9 408 European Union Law 4 20

M9 407 Law, Persons and Property 4 20

M9 409 Criminology 4 20

M9 410 Public International Law 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 414 Mediation 4 20

M9 416 issues in healthcare Law and Ethics 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 421 Governance of Human Enhancement Tech 4 20

M9 424 Human Rights Law in Theory and Practice 4 20

M9 426 Computer Law 4 20

M9 427 Legal Theory 4 20

M9 428 Legislation 4 20

M9 433 Constitutional Law 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 456 Law, Justice and Society 4 20

M9 499 Ethics and Justice\* 4 20

Such other classes as may be approved by the Course Leader.

\*Can only be taken by students working in the Law Clinic or approved work placement.

Curriculum (Part-time study)

First Year

11.128.8 All part-time students shall normally undertake classes amounting to 80 credits as follows:

Compulsory Classes Level Credit

M9 111 Criminal Law 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

M9 116 Public Law 1 1 20

Second Year

11.128.9 All part-time students shall normally undertake classes amounting to 80 credits as follows:

Compulsory Classes Level Credit

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 113 Law and Society 1 20

M9 207 Public Law 2 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

Third Year

11.128.10 All part-time students shall normally undertake classes amounting to 80 credits as follows:

Compulsory Class Level Credits

M9 208 Domestic Relations 2 20

M9 209 Commercial Law 2 20

M9 211 Property Law 2 20

M9 212 European Community Law 2 20

Fourth Year

11.128.11 All part-time students shall normally undertake classes amounting to 80 credits as follows:

Compulsory Class Level Credits

M9 306 Evidence 3 20

Optional Classes

60 credits chosen from the classes listed in Regulation 11.128.6

Fifth Year

11.128.12 All part-time students shall normally undertake classes amounting to 40 credits as follows:

Optional Classes

40 credits chosen from the classes listed in Regulation 11.128.6

Progress (Full-time Study)

11.128.13 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.128.14 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for all the first year compulsory classes.

11.128.15 In order to progress to the Honours year of the course, a student must normally have accumulated at least 360 credits from the course curriculum including those for all the compulsory classes.

Progress (Part-time study)

11.128.16 In order to progress to the second year of the course, a student must normally have accumulated at least 60 credits from the course curriculum.

11.128.17 In order to progress to the third year of the course, a student must normally have accumulated at least 140 credits from the course curriculum including those for all the first year compulsory classes.

11.128.18 In order to progress to the fourth year of the course, a student must normally have accumulated at least 220 credits from the course curriculum

11.128.19 In order to progress to the fifth year of the course, a student must normally have accumulated at least 300 credits from the course curriculum.

Transfer

11.128.20 A student who has qualified for the part-time LLB and who meets the requirements of Regulation 11.128.15 may apply to transfer to the full-time LLB Honours degree programme.

Final Honours Classification

11.128.21 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes taken in the fourth year.

Award

11.128.22 **LLB with Honours:** In order to qualify for the award of the degree of LLB with Honours, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include 120 credits at Level 4.

11.128.23 **LLB:** In order to qualify for the award of the degree of LLB, a candidate must have accumulated no fewer than 360 credits from the course curriculum including those for all the compulsory classes.

11.128.24 **Diploma of Higher Education:** In order to qualify for the award of the Diploma of Higher Education in Law, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.128.25 **Certificate of Higher Education:** In order to qualify for the award of the Certificate of Higher Education in Law, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.128.26

to 11.128.30 (Numbers not used)

Students Admitted to the Course with Advanced Standing

Credit Transfer and RPL

11.128.31 Students holding appropriate qualifications may be admitted with advanced standing to the course to reflect their previous degree or degree equivalent. Such students may be awarded credit transfer or RPL amounting to a maximum of 80 credits and shall undertake, in the case of full-time students, the special curriculum in Regulations 11.128.33 and 11.128.34, and in the case of part-time students, the curriculum in Regulations 11.128.42-11.28.45.

Curriculum (Full-time Study, Graduate Entry)

**Second Year**

11.128.32 Students are admitted with advanced standing and are admitted direct to second year. All full-time students shall normally undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

M9 111 Criminal Law 1 20

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 113 Law and Society 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

M9 116 Public Law 1 1 20

M9 208 Domestic Relations 2 20

Third Year

11.128.33 All full-time students shall normally undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

M9 207 Public Law 2 2 20

M9 209 Commercial Law 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

M9 211 Property, Trusts and Succession 2 20

M9 212 European Union Law 2 20

M9 306 Evidence 3 20

Optional Classes

20 credits chosen from the classes listed in Regulation 11.128.7.

Fourth Year

11.128.34 See Regulation 11.128.7

11.128.35

to 11.128.40 (Numbers not used)

Curriculum (Part-time study, Graduate Entry)

Second Year

11.128.41 Students are admitted with advanced standing and are admitted direct to second year. All part-time students shall normally undertake classes amounting to 80 credits as follows:

Compulsory Classes Level Credit

M9 111 Criminal Law 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

M9 116 Public Law 1 1 20

Third Year

11.128.42 All part-time students shall normally undertake classes amounting to 80 credits as follows:

Compulsory Classes Level Credit

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 113 Law and Society 1 20

M9 207 Public Law 2 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

Fourth Year

11.128.43 All part-time students shall normally undertake classes amounting to 80 credits as follows:

Compulsory Classes Level Credits

M9 208 Domestic Relations 2 20

M9 209 Commercial Law 2 20

M9 211 Property, Trusts and Succession 2 20

M9 212 European Union Law 2 20

Fifth Year

11.128.44 All part-time students shall normally undertake classes amounting to 40 credits as follows:

Compulsory Class Level Credits

M9 306 Evidence 3 20

Optional Classes

20 credits chosen from the classes listed in Regulation 11.128.6.

Progress (Full-time Study, Graduate Entry)

11.128.45 In order to progress to the third year of the course, a student must normally have accumulated no fewer than 120 from the course curriculum.

Progress (Part-time study, Graduate Entry)

11.128.46 In order to progress to the third year of the course, a student must normally have accumulated at least 60 credits from the course curriculum.

11.128.47 In order to progress to the fourth year of the course, a student must normally have accumulated at least 140 credits from the course curriculum.

11.128.48 In order to progress to the fifth year of the course, a student must normally have accumulated at least 220 credits from the course curriculum including those for any compulsory classes.

Transfer

11.128.49 A student who has qualified for the LLB and who meets the requirements of Regulation 11.128.15 may apply to transfer to the full-time LLB Honours degree programme.

Award

11.128.50 LLB: Regulations 11.128.23 shall apply.

11.128.51

to 11.128.60 (Numbers not used)

Students Admitted to the Course with Advanced Standing with a BSc in Computer Science with Law

Credit Transfer and Exemption

11.128.61 Students already holding the BSc with Honours in Computer Science with Law or the BSc in Computer Science with Law from this University shall be awarded credit transfer amounting to 240 credits and shall be exempted from the first and second years of the course.

Curriculum (Full-time study)

First and Second Years

11.128.62 The first and second year curricula are not taught as part of this degree course.

Third Year

11.128.63 All full-time students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 111 Criminal Law 1 20

M9 207 Public Law 2 2 20

M9 208 Domestic Relations 2 20

M9 211 Property Law 2 20

M9 212 European Community Law 2 20

M9 306 Evidence 3 20

Fourth Year

11.128.64 Regulation 11.131.7 shall apply.

Progress

11.128.65 In order to progress to the Honours year of the course, a student must have accumulated at least 360 credits from the course curriculum including those for all the compulsory classes of the LLB whether obtained during BSc in Computer Science with Law or on this course.

Final Honours Classification

11.128.66 Regulation 11.131.21 shall apply.

Award

11.128.67 Regulations 11.131.22 and 11.131.23 shall apply.

11.128.68

to 11.128.70 (Numbers not used)

Law with a Modern Language

LLB with Honours in Law with a Modern Language

LLB in Law with a Modern Language

Diploma of Higher Education in Law with a Modern Language

Certificate of Higher Education in Law with a Modern Language

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.128.71 All students are admitted in the first instance as potential Honours students. Transfer to the LLB (Pass) degree may be possible at any time subject to satisfying the appropriate progress regulations.

Mode of Study

11.128.72 The courses are available by full-time study only.

Place of Study

11.128.73 The LLB with Honours in Law with a Modern Language includes a year of study at an approved European University.

Curriculum

First Year

11.128.74 All students shall undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credit

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 113 Law and Society 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

M9 116 Public Law 1 1 20

together with 40 credits in the chosen Modern Language from

R1 107 French 1A 1 20

R1 108 French 1B 1 20

R3 108 Italian 1A 1 20

R3 109 Italian 1B 1 20

R4 107 Spanish 1A 1 20

R4 108 Spanish 1B 1 20

Second Year

11.128.75 All students shall undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

M9 111 Criminal Law 1 20

M9 208 Domestic Relations 2 20

M9 207 Public Law 2 2 20

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

M9 211 Property 2 20

together with 40 credits in the chosen Modern Language from

R1 203 French Language 2A 2 20

R1 204 French Language 2B 2 20

R3 203 Italian Language 2A 2 20

R3 204 Italian Language 2B 2 20

R4 206 Spanish Language 2A 2 20

R4 207 Spanish Language 2B 2 20

Third Year

11.128.76 All students shall undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

M9 209 Commercial Law 2 20

M9 212 European Community Law 2 20

M9 306 Evidence 3 20

together with 60 credits in the chosen Modern Language from:

R1 305 French Language 3A 3 20

R1 306 French Language 3B 3 20

R1 310 French Culture and History 3 3 20

R3 305 Italian Language 3A 3 20

R3 306 Italian Language 3B 3 20

R3 374 Italian Stage and Screen 3 20

R4 308 Spanish Language 3A 3 20

R4 309 Spanish Language 3B 3 20

R4 373 The Struggle for Modernity in Spain and Latin America 3 20

Elective Class(es) 20

Fourth Year

11.128.77 All students shall undertake an approved curriculum of study at a European University

Fifth Year

11.128.78 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes

M9 498 Dissertation 4 40

together with 40 credits in the chosen Modern Language from

French

R1 510 French Honours Written Language 4 20

R1 509 French Honours Spoken Language 4 20

Italian

R3 433 Italian Honours Written language 4 20

R3 432 Italian Honours Spoken Language 4 20

Spanish

R4 501 Spanish Honours Written Language 4 20

R4 502 Spanish Honours Spoken language 4 20

Optional Classes

40 credits chosen from:

43 419 Legal Profession 4 20

M9 311 Banking Law and Finance 4 20

M9 312 Legal Theory 4 20

M9 316 International Private Law 4 20

M9 317 Public International Law 4 20

M9 345 Ethics and Justice\* 3 20

M9 404 Issues in Intellectual Property 4 20

M9 408 European Union Law 4 20

M9 409 Criminology 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 413 Consumer Law 4 20

M9 414 Mediation 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 423 Social and Welfare Law 4 20

M9 426 Computer Law 4 20

M9 428 Legislation 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 453 Obligations 4 20

M9 455 Property 4 20

M9 456 Law, Justice and Society 4 20

M9 459 Financial Services Regulation 4 20

M9 M91 Media Law 4 20

M9 M93 Constitutional Law 4 20

M9 M94 Protection of Human Rights in the UK 4 20

\*Can only be taken by students of the Law Clinic

Final Assessment and Honours Classification

11.128.79 On successful completion of the fifth year, a candidate will be awarded 120 Level 4 credits.

11.128.80 The final Honours classification will normally be based on:

(i) the first assessed attempt at compulsory and specified optional classes taken in the fifth year;

(ii) if appropriate, an oral examination.

Progress

11.128.81 In order to progress to the second year of the course, a student must have accumulated at least 120 credits from the course curriculum.

11.128.82 In order to progress to the third year of the course a student must have accumulated at least 260 credits from the course curriculum including those for all the first year compulsory classes.

11.128.83 In order to progress to the fourth year of the course a student must have accumulated at least 420 credits from the course curriculum.

Award

11.128.84 **LLB with Honours:** Notwithstanding Regulation 11.1.10, in order to qualify for the award of the degree of Bachelor of Laws with Honours in Law with a Modern Language, a candidate must have accumulated no fewer than 540 credits from the course curriculum including those for all fifth year classes

11.128.85 **Distinction in the Spoken Language:** A candidate who qualifies for the award of the degree of Bachelor of Laws with Honours in Law with a Modern Language and who has, according to prescribed criteria and in the opinion of the BA Honours Board of Examiners, attained a high level of performance in the oral examination may be awarded the Honours degree with Distinction in the Spoken Language.

11.128.86 **LLB:** Notwithstanding Regulation 11.1.10, in order to qualify for the award of the degree of Bachelor of Laws in Law with a Modern Language, a candidate must have accumulated no fewer than 420 credits from the course curriculum including those for all the compulsory classes.

11.128.87 **Diploma of Higher Education:** Notwithstanding Regulation 11.1.10, in order to qualify for the award of the Diploma in Higher Education in Law with a Modern Language, a candidate must have accumulated no fewer than 280 credits from the course curriculum

11.128.88 **Certificate of Higher Education:** In order to qualify for the award of the Certificate in Higher Education in Law with a Modern Language, a candidate must have accumulated no fewer than 140 credits from the course curriculum.

11.128.89

to

11.128.90 (Numbers not used)

Law

Bachelor of Laws LLB (Clinical) with Honours

Bachelor of Laws LLB (Clinical)

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.128.91 All students are normally admitted in the first instance to the LLB with Honours degree. On being accepted as a Law Clinic Student Adviser, a student may, subject to satisfactory academic performance (criteria for which will be determined in advance by the Course Director and set out in the Clinical LLB programme Handbook for the relevant year), transfer to the LLB (Clinical) or LLB (Clinical) with Honours at the end of semester one of their first year.

Mode of Study

11.128.92The courses are available by full-time study only.

Credit Transfer and Exemption

11.128.93 Students with appropriate qualifications may be admitted with advanced standing in which case their curriculum shall be modified (see Regulations 11.128.107-11.128.111).

Curriculum

First Year

11.128.94 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credit

M9 111 Criminal Law 1 20

M9 116 Public Law 1 1 20

M9 118 Legal Methods (Clinical) 1 20

M9 208 Domestic Relations 2 20

M9 120 Voluntary Obligations: Contract and Promise

(Clinical) 1 20

either

M9 115 Legal Process 1 20

or

M9 119 Legal Process (Clinical) 1 20

Second Year

11.128.95 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 212 European Union Law 2 20

either

M9 207 Public Law 2 2 20

or

M9 214 Public Law 2 (Clinical) 2 20

either

M9 312 Legal Theory 3 20

or

M9 217 Legal Theory (Clinical) 3 20

either

M9 209 Commercial Law 2 20

or

M9 215 Commercial Law (Clinical) 2 20

either

M9 210 Involuntary Obligations: Delict and

Unjustified Enrichment 2 20

or

M9 216 Involuntary Obligations: Delict and Unjustified

Enrichment (Clinical) 2 20

either

M9 211 Property, Trusts and Succession 2 20

or

M9 218 Property Trusts and Succession (Clinical) 2 20

Third Year

11.128.96 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 306 Evidence 3 20

M9 320 Clinical Legal Practice 3 20

M9 345 Ethics and Justice 3 20

Elective Classes 20

Optional Classes

40 credits chosen from:

M9 339 Employment Law (Clinical) 3 20

M9 340 Discrimination Law (Clinical) 3 20

M9 341 Human Rights Law (Clinical) 3 20

M9 342 Housing Law (Clinical) 3 20

M9 343 Planning Law (Clinical) 3 20

or from the optional classes listed in Regulation 11.128.6

Fourth Year

11.128.97 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credit

Either

M9 498 Dissertation 4 40

Or

M9 415 Dissertation (Clinical) 4 40

Optional Classes

80 credits chosen from:

M9 404 Issues in Intellectual Property 4 20

M9 407 Law, Persons and Property 4 20

M9 408 European Union Law 4 20

M9 409 Criminology 4 20

M9 410 Public International Law 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 413 Consumer Law 4 20

M9 414 Mediation 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 420 Legal Profession 4 20

M9 422 Mediation (Clinical) 4 20

M9 423 Social and Welfare Law 4 20

M9 425 Labour Law (Clinical) 4 20

M9 426 Computer Law 4 20

M9 428 Legislation Law 4 20

M9 430 Law, Justice and Discretion (Clinical) 4 20

M9 431 Media Law 4 20

M9 433 Constitutional Law 4 20

M9 434 Protection of Human Rights in the UK 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 453 Obligations 4 20

M9 456 Law, Justice and Society 4 20

M9 459 Financial Services Regulation 4 20

M9 499 Ethics and Justice 4 20

Such other classes as may be approved by the Course Director.

Progress

11.128.98 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.128.99 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for all the first year compulsory classes.

11.128.100 In order to progress to the fourth year of the course, a student must normally have accumulated at least 360 credits from the course curriculum including those for all the compulsory classes and including at least 120 credits from Clinical classes, unless they have been given permission to take Ethics and Justice in their fourth year; in which case they will only need a minimum of 100 credits from Clinical classes.

Award

11.128.101 **LLB (Clinical) with Honours:** In order to qualify for the award of the degree of LLB (Clinical) with Honours a candidate must have accumulated no fewer than 480 credits from the course curriculum including at least 160 credits in Clinical classes. Notwithstanding Regulation 11.1.10, these must include 120 credits at Level 4 (40 of which must be credits in Clinical classes).

11.128.102 **LLB (Clinical):** In order to qualify for the award of the degree of LLB (Clinical), a candidate must have accumulated no fewer than 360 credits from the course curriculum including those for all the compulsory classes and including at least 120 credits in Clinical classes.

11.128.103 **Diploma of Higher Education**: In order to qualify for the award of the Diploma of Higher Education in Law (Clinical), a candidate must have accumulated no fewer than 240 credits from the course curriculum including at least 80 credits in Clinical classes.

11.128.104 **Certificate of Higher Education**: In order to qualify for the award of the Certificate of Higher Education in Law (Clinical), a candidate must have accumulated no fewer than 120 credits from the course curriculum including at least 40 credits in Clinical classes.

Transfer to LLB or LLB with Honours

11.128.105 A candidate who fails to satisfy the progress or award requirements for the degree of LLB (Clinical) or LLB (Clinical) with Honours may be transferred to the degree of LLB or LLB with Honours. Transfer from the LLB (Clinical) to the LLB or LLB (Clinical) with Honours to the LLB with Honours is possible at any time subject to satisfying the appropriate progress requirements. In cases of transfer a pass in M9 217 *Legal Theory (Clinical)* will be accepted in lieu of *M9 103 Law and Society* and all clinical variants of classes shall be deemed to be the equivalent of non-clinical versions.

Students Admitted to the Course with Advanced Standing

Credit Transfer and RPL

11.128.106 Students holding appropriate qualifications may be admitted with advanced standing to the second year of the course to reflect their previous degree or degree equivalent. Such students may be awarded credit transfer or RPL amounting to a maximum of 80 credits.

Curriculum (Graduate Entry)

*(Note: to qualify for the award of the LLB (Clinical) or the LLB (Clinical) with Honours, students are required accumulate 100 and 140 credits respectively from Clinical classes)*

First Year

11.128.107 The first year curriculum is not taught as part of this degree course.

Second Year

11.128.108 All students shall normally undertake classes amounting to 160 credits as follows:

Compulsory Classes Level Credits

M9 111 Criminal Law 1 20

M9 116 Public Law 1 1 20

M9 118 Legal Methods (Clinical) 1 20

M9 120 Voluntary Obligations: Contract and Promise

(Clinical) 1 20

M9 208 Domestic Relations 2 20

either

M9 115 Legal Process 1 20

or

M9 119 Legal Process (Clinical) 1 20

either

M9 210 Involuntary Obligations: Delict and Unjustified

Enrichment 2 20

or

M9 216 Involuntary Obligations: Delict and Unjustified

Enrichment (Clinical) 2 20

Third Year

11.128.109 All students shall normally undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

M9 306 Evidence 3 20

M9 320 Clinical Legal Practice 3 20

M9 212 European Union Law 2 20

M9 345 Ethics and Justice 3 20

either

M9 312 Legal Theory 3 20

or

M9 217 Legal Theory (Clinical) 3 20

either

M9 207 Public Law 2 2 20

or

M9 214 Public Law 2 (Clinical) 2 20

either

M9 209 Commercial Law 2 20

or

M9 215 Commercial Law (Clinical) 2 20

either

M9 211 Property, Trusts and Succession 2 20

or

M9 218 Property, Trusts and Succession (Clinical) 2 20

Fourth Year

11.128.110 See Regulation 11.128.97.

Progress

11.128.111 In order to progress to the third year of the course, a student must normally have accumulated at least 200 credits from the course curriculum including no fewer than 120 from the compulsory classes.

11.128.112 In order to progress to the fourth year of the course, a student must normally have accumulated at least 380 credits from the course curriculum including those for all the compulsory classes and at least 100 credits in Clinical classes.

Award

11.128.113 **LLB (Clinical) with Honours:** In order to qualify for the award of the degree of LLB (Clinical) with Honours a candidate must have accumulated no fewer than 500 credits from the course curriculum including at least 140 credits in Clinical classes. Notwithstanding Regulation 11.1.10, these must include 120 credits at Level 4 (40 of which must be credits in Clinical classes).

11.128.114 **LLB (Clinical):** Notwithstanding Regulation 11.1.10, in order to qualify for the award of the degree of LLB (Clinical), a candidate must have accumulated no fewer than 380 credits from the course curriculum including those for all the compulsory classes and at least 100 credits in Clinical classes.

Transfer to LLB or LLB with Honours

11.128.115 A candidate who fails to satisfy the progress or award requirements for the degree of LLB (Clinical) or LLB (Clinical) with Honours may be transferred to the degree of LLB or LLB with Honours. Transfer from the LLB (Clinical) to the LLB or LLB (Clinical) with Honours to the LLB with Honours is possible at any time subject to satisfying the appropriate progress requirements. In cases of transfer a pass in M9 217 *Legal Theory (Clinical)* will be accepted in lieu of *M9 103 Law and Society* and all clinical variants of classes shall be deemed to be the equivalent of non-clinical versions.

11.128.116 to

11.128.130 (not used)

Law

Bachelor of Laws (LLB) in Scots and English Law with Honours

Bachelor of Laws LLB in Scots and English Law

Diploma of Higher Education in Scots and English Law

Certificate of Higher Education in Scots and English Law

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.128.131 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.128.132These programmes are available on the basis of full-time study only.

Credit Transfer

11.128.133 Students with appropriate qualifications may be admitted with advanced standing in which case their curriculum shall be modified (see Regulations 11.128.132-11.128.140).

Curriculum

First Year

11.128.134 All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credit

M9 111 Criminal Law 1 20

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 113 Law and Society 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

M9 116 Public Law 1 1 20

Second Year

11.128.135 All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 207 Public Law 2 2 20

M9 208 Domestic Relations 2 20

M9 209 Commercial Law 2 20

M9 210 Involuntary Obligations: Delict and Unjust

Enrichment 2 20

M9 211 Property, Trusts and Succession 2 20

M9 212 European Union Law 2 20

Third Year

11.128.136 All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 306 Evidence 3 20

M9 357 English Property and Land Law 3 20

M9 356 English Criminal Law and Evidence 3 20

M9 354 English Law of Tort 3 20

M9 355 English Law of Contract and Restitution 3 20

M9 353 English Law of Equity and Trusts 3 20

Fourth Year

11.128.137 All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credit

M9 498 Dissertation 4 40

Optional Classes

80 credits chosen from:

M9 404 Issues in Intellectual Property 4 20

M9 408 European Union Law 4 20

M9 407 Law, Persons and Property 4 20

M9 409 Criminology 4 20

M9 410 Public International Law 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 413 Consumer Law 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 420 Legal Profession 4 20

M9 423 Social and Welfare Law 4 20

M9 426 Computer Law 4 20

M9 428 Legislation 4 20

M9 431 Media Law 4 20

M9 433 Constitutional Law 4 20

M9 434 Protection of Human Rights in the UK 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 453 Obligations 4 20

M9 456 Law, Justiceand Society 4 20

M9 459 Financial Services Regulation 4 20

M9 499 Ethics and Justice\* 4 20

Such other classes as may be approved by the Course Leader.

\*This class is available only to students undertaking Law Clinic or equivalent work.

Progress

11.128.138 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.128.139 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for all of the first year compulsory classes.

11.128.140 In order to progress to the Fourth (Honours) year of the course, a student must normally have accumulated at least 360 credits from the course curriculum including the credits for all of the compulsory classes.

Award

11.128.141 **LLB with Honours:** In order to qualify for the award of the degree of LLB with Honours, a candidate must have accumulated no fewer than 480 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include 120 credits at Level 4.

11.128.142 **LLB:** In order to qualify for the award of the degree of LLB, a candidate must have accumulated no fewer than 360 credits from the course curriculum including those for all of the compulsory classes.

11.128.143 **Diploma of Higher Education:** In order to qualify for the award of the Diploma of Higher Education in Law, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.128.144 **Certificate of Higher Education:** In order to qualify for the award of the Certificate of Higher Education in Law, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Students Admitted to the Course with Advanced Standing

Credit Transfer and RPL

11.128.145 Students holding appropriate qualifications are admitted with advanced standing to the course to reflect their previous degree or degree equivalent amounted to a maximum of 80 credits and shall undertake the special curriculum set out in Regulations 11.128.146-147.

**LLB in Scots and English Law – Graduate Entry**

Curriculum (Graduate Entry)

Second Year

11.128.145 Students are admitted with advanced standing and are admitted direct to second year.

All students shall normally undertake classes amounting to 200 credits as follows:

Compulsory Classes Level Credits

List A

M9 111 Criminal Law 1 20

M9 112 Voluntary Obligations: Contract and Promise 1 20

M9 113 Law and Society 1 20

M9 114 Legal Methods 1 20

M9 115 Legal Process 1 20

M9 116 Public Law 1 1 20

M9 208 Domestic Relations 2 20

List B

Compulsory classes taught during a summer school on Campus

between the Second and Third Years

M9 360 English Law of Contract and Restitution 3 20

M9 359 English Property and Land Law 3 20

M9 358 English Law of Tort 3 20

Third Year

11.128.146 All students shall normally undertake classes amounting to 160 credits as follows:

Compulsory Classes Level Credits

M9 207 Public Law 2 2 20

M9 209 Commercial Law 2 20

M9 210 Involuntary Obligations: Delict and Unjust 2 20

Enrichment

M9 211 Property, Trusts and Succession 2 20

M9 212 European Union Law 2 20

M9 306 Evidence 3 20

M9 356 English Criminal Law and Evidence 3 20

M9 353 English Law of Equity and Trusts 3 20

Fourth/Honours Year

11.128.147 See Regulation 11.128.123

Progress (Graduate Entry)

11.128.148 In order to progress from the second to the third year of the course, a student must normally have accumulated no fewer than 120 credits from the compulsory classes detailed in list A.

Transfer

11.128.149 A student who has qualified for the award of the LLB degree and who meets the requirements of Regulation 11.128.126 may transfer to the Fourth Year of the full-time LLB with Honours.

Award

11.128.150 Regulations 11.128.129 - 11.128.131 shall apply.

11.128.151 to

11.128.171 (numbers not used)

Bachelor of Laws LLB (Hons) (Clinical) Scots and English Law

Bachelor of Laws LLB (Clinical) Scots and English Law

Diploma of Higher Education in Scots and English Law (Clinical)

Certificate of Higher Education in Scots and English Law (Clinical)

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.128.172 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.128.173The courses are available by full-time study only.

Credit Transfer and Exemption

11.128.174 Students with appropriate qualifications may be admitted with advanced standing in which case their curriculum shall be modified (see Regulations 11.128.107-11.128.111).

Curriculum

First Year

11.128.175 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credit

M9 111 Criminal Law 1 20

M9 116 Public Law 1 1 20

M9 118 Legal Methods (Clinical) 1 20

M9 208 Domestic Relations 2 20

M9 120 Voluntary Obligations: Contract and Promise

(Clinical) 1 20

either

M9 115 Legal Process 1 20

or

M9 119 Legal Process (Clinical) 1 20

Second Year

11.128.176 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 212 European Union Law 2 20

either

M9 207 Public Law 2 2 20

or

M9 214 Public Law 2 (Clinical) 2 20

either

M9 312 Legal Theory 3 20

or

M9 217 Legal Theory (Clinical) 3 20

either

M9 209 Commercial Law 2 20

or

M9 215 Commercial Law (Clinical) 2 20

either

M9 210 Involuntary Obligations: Delict and

Unjustified Enrichment 2 20

or

M9 216 Involuntary Obligations: Delict and Unjustified

Enrichment (Clinical) 2 20

either

M9 211 Property, Trusts and Succession 2 20

or

M9 218 Property Trusts and Succession (Clinical) 2 20

Third Year

11.128.177 All students shall undertake classes amounting to 160 credits as follows:

Compulsory Classes Level Credits

M9 306 Evidence 3 20

M9 320 Clinical Legal Practice 3 20

M9 345 Ethics and Justice 3 20

M9 357 English Law of Property and Land 3 20

M9 356 English Criminal Law and Evidence 3 20

M9 354 English Law of Tort 3 20

M9 355 English Law of Contract and Restitution 3 20

M9 353 English Law of Equity and Trusts 3 20

Fourth Year

11.128.178 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credit

Either

M9 498 Dissertation 4 40

Or

M9 415 Dissertation (Clinical) 4 40

Optional Classes

No fewer than 60 credits chosen from:

M9 404 Issues in Intellectual Property 4 20

M9 407 Law, Persons and Property 4 20

M9 408 European Union Law 4 20

M9 409 Criminology 4 20

M9 410 Public International Law 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 413 Consumer Law 4 20

M9 414 Mediation 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 420 Legal Profession 4 20

M9 422 Mediation (Clinical) 4 20

M9 423 Social and Welfare Law 4 20

M9 425 Labour Law (Clinical) 4 20

M9 426 Computer Law 4 20

M9 428 Legislation Law 4 20

M9 430 Law, Justice and Discretion (Clinical) 4 20

M9 431 Media Law 4 20

M9 433 Constitutional Law 4 20

M9 434 Protection of Human Rights in the UK 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 453 Obligations 4 20

M9 456 Law, Justice and Society 4 20

M9 459 Financial Services Regulation 4 20

M9 499 Ethics and Justice 4 20

Such other classes as may be approved by the Course Director.

Progress

11.128.179 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.128.180 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for all the first year compulsory classes.

11.128.181 In order to progress to the fourth year of the course, a student must normally have accumulated at least 400 credits from the course curriculum including those for all the compulsory classes and including at least 120 credits from Clinical classes..

Award

11.128.182 **LLB (Clinical) with Honours:** In order to qualify for the award of the degree of LLB (Clinical) with Honours a candidate must have accumulated no fewer than 520 credits from the course curriculum including at least 160 credits in Clinical classes. Notwithstanding Regulation 11.1.10, these must include 120 credits at Level 4 (40 of which must be credits in Clinical classes).

11.128.183 **LLB (Clinical):** In order to qualify for the award of the degree of LLB (Clinical), a candidate must have accumulated no fewer than 400 credits from the course curriculum including those for all the compulsory classes and including at least 120 credits in Clinical classes.

11.128.184 **Diploma of Higher Education**: In order to qualify for the award of the Diploma of Higher Education in Law (Clinical), a candidate must have accumulated no fewer than 240 credits from the course curriculum including at least 80 credits in Clinical classes.

11.128.185 **Certificate of Higher Education**: In order to qualify for the award of the Certificate of Higher Education in Law (Clinical), a candidate must have accumulated no fewer than 120 credits from the course curriculum including at least 40 credits in Clinical classes.

Transfer to LLB (Scots and English Law) or LLB (Scots and English Law) with Honours

11.128.186 A candidate who fails to satisfy the progress or award requirements for the degree of LLB (Clinical) (Scots and English Law) or LLB (Scots and English Law) (Clinical) with Honours may be transferred to the degree of LLB or LLB with Honours. Transfer from the LLB (Clinical) (Scots and English Law) to the LLB or from the LLB (Clinical) (Scots and English Law) with Honours to the LLB (Scots and English Law) with Honours is possible at any time subject to satisfying the appropriate progress requirements. In cases of transfer a pass in M9 217 *Legal Theory (Clinical)* will be accepted in lieu of *M9 103 Law and Society* and all clinical variants of classes shall be deemed to be the equivalent of non-clinical versions.

11.128.187

to 11.128.207 (numbers not used)

Law

Bachelor of Laws (LLB) English Law with Honours

Bachelor of Laws (LLB) English Law with Honours (Graduate Entry)

Bachelor of Laws (LLB) in English Law Studies

Diploma of Higher Education in English Law Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

All students are admitted in the first instance as potential Honours students. Transfer to the BA in English Law Studies is possible at any time.

Mode of Study

These programmes are available on the basis of full-time study only.

Credit Transfer

All students are admitted to year two with advanced standing of 120 credits.

Curriculum

Second Year

11.128.208 All students shall normally undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credit

M9 114 Legal Methods 1 20

M9 113 Law and Society 1 20

M9 354 English Law of Tort 3 20

M9 355 English Law of Contract and Restitution 3 20

M9 356 English Criminal Law and Evidence 3 20

M9 116 Public Law 1 1 20

M9 212 European Union Law 2 20

Third Year

11.128.209 All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

M9 207 Public Law 2 2 20

M9 357 English Law of Property and Land 3 20

M9 353 English Law of Equity and Trusts 3 20

Optional Classes

60 credits from the Law School’s list of Level 3 options

GU 306 Roman Law of Property and Obligations 3 20

M9 305 Law, Film and Popular Culture 3 20

M9 307 Crime and Punishment 3 20

M9 308 Human Rights Law 3 20

M9 310 Planning Law 3 20

M9 311 Banking Law and Finance 3 20

M9 312 Legal Theory 3 20

M9 313 Housing Law 3 20

M9 314 Intellectual Property Law 3 20

M9 316 International Private Law 3 20

M9 317 Public International Law 3 20

M9 318 Competition Law 3 20

M9 319 Discrimination and the Law 3 20

M9 320 Clinical Legal Practice\* 3 20

M9 345 Ethics and Justice\* 3 20

M9 338 Local Government Law 3 20

M9 352 Internet Law 3 20

Such other classes as may be approved by the Course Director.

\*Can only be taken by students working in the Law Clinic or approved work placement.

Fourth Year

All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credit

M9 498 Dissertation 4 40

Optional Classes

80 credits chosen from:

M9 404 Issues in Intellectual Property 4 20

M9 408 European Union Law 4 20

M9 407 Law, Persons and Property 4 20

M9 409 Criminology 4 20

M9 410 Public International Law 4 20

M9 411 Labour Law 4 20

M9 412 Law of Business Associations 4 20

M9 413 Consumer Law 4 20

M9 417 Legal Aspects of International Trade 4 20

M9 418 Law of Competition 4 20

M9 419 Criminal Law 4 20

M9 420 Legal Profession 4 20

M9 423 Social and Welfare Law 4 20

M9 426 Computer Law 4 20

M9 428 Legislation 4 20

M9 431 Media Law 4 20

M9 433 Constitutional Law 4 20

M9 434 Protection of Human Rights in the UK 4 20

M9 446 Environmental Law 4 20

M9 452 Family Law 4 20

M9 453 Obligations 4 20

M9 456 Law, Justice and Society 4 20

M9 459 Financial Services Regulation 4 20

M9 499 Ethics and Justice\* 4 20

Such other classes as may be approved by the Course Leader.

\*This class is available only to students undertaking Law Clinic or equivalent work.

11.128.210 Progress

In order to progress to the third year of the course, a student must have accumulated at least 120 credits from the course curriculum.

In order to progress to the Fourth (Honours) year of the course, a student must normally have accumulated at least 380 credits from the course curriculum including the credits for all of the compulsory classes.

11.128.211 Final Honours Classification

The final Honours classification will normally be based on:

(i) the first assessed attempt at compulsory and specified optional classes taken in the fourth year;

Award

11.128.212 **LLB with Honours:** In order to qualify for the award of the degree of LLB with Honours, a candidate must have accumulated no fewer than 500 credits including 380 from the course curriculum. Notwithstanding Regulation 11.1.10, these must include 120 credits at Level 4.

11.128.213 **Transfer:**A candidate who has accumulated 380 credits and who then either opts to transfer, or who fails to satisfy the progress or award requirements for the degree of LLB with Honours in English Law may be transferred to the non-practising degree of BA in English Law Studies.

11.128.214 **BA:** In order to qualify for the award of the degree of BA in English Law Studies a candidate must have accumulated no fewer than 380 credits.

11.128.215 **Diploma of Higher Education:** In order to qualify for the award of the Diploma of Higher Education in English Law, a candidate must have accumulated no fewer than 240 credits.

11.129 Music

Applied Music

BA with Honours in Applied Music

BA in Applied Music

Diploma of Higher Education in Applied Music

Certificate of Higher Education in Applied Music

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Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.129.1 Regulation 11.1.1 shall apply. In addition, applicants will be required to undertake a practical audition as specified by the Department.

Status of the Courses

11.129.2 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.129.3 The courses are available by full-time study only.

Place of Study

11.129.4 The courses involve placements outwith the University campuses for which students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update.

Curriculum

First Year

11.129.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

W3 124 Music Foundations and Keyboard Versatility 1 1 20

W3 126 Creative Skills 1 1 20

W3 127 Music in its Social, HistoriW3l and Cultural   
 Context 1 1 20

W3 128 Solo Performance 1 1 20

W3 129 Ensemble Work 1 1 20

W3 130 Music Technology 1 1 20

Second Year

11.129.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

W3 225 Music Foundations and Keyboard Versatility 2 2 20

W3 230 Music in its Social, Historical and Cultural   
 Context 2 2 20

W3 232 Ensemble Work 2 2 20

Optional Classes

60 credits chosen from*:*

W3 229 Creative Skills 2 2 20

W3 231 Solo Performance 2 2 20

W3 233 Music Technology 2 2 20

W3 363 Structure of the UK Music Industry 2 20

Third Year

11.129.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

W3 346 Music in the Community Educational and

Entrepreneurial Contexts 1 3 20

W3 347 Enquiry Research Methods: Arts Contexts 3 20

Elective Class(es) 20

Optional Classes

60 credits chosen from:

W3 348 Music Technology 3 3 20

W3 349 Music Production 1 3 20

W3 350 Musical Applications in Creative Contexts 1 3 20

W3 355 Creative Skills 3 3 20

W3 356 Music in its Social, Historical and Cultural   
 Context 3 3 20

W3 357 Solo Performance 3 3 20

W3 360 Orchestration 1 3 20

W3 361 Ensemble Work 3 3 20

W3 365 Jazz Studies 1 3 20

Fourth Year

11.129.8 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

W3 446 Music in the Community Educational and

Entrepreneurial Contexts 2 4 20

together with either

W3 447 Solo Performance Recital 4 40

W3 462 Ensemble Work 4 4 20

or

W3 449 Album Project 4 40

W3 450 Music Production 2 4 20

or

CA 469 Creative Skills 4 4 20

W3 451 Composition Portfolio 4 40

or

W3 452 Dissertation 4 40

W3 460 Music in its Social, Historical and Cultural   
 Context 4 4 20

Optional Classes

40credits chosen from:

CA 464 Orchestration 2 4 20

W3 450 Music Production 2 4 20

W3 453 Musical Applications in Creative Contexts 2 4 20

W3 460 Music in its Social, Historical and Cultural  
 Context 4 4 20

W3 462 Ensemble Work 4 4 20

W3 467 Jazz Studies 2 4 20

W3 469 Creative Skills 4 4 20

Progress

11.129.9 In order to progress to the second year of the course, a student must normally have accumulated no fewer than 120 credits from the course curriculum.

11.129.10 In order to progress to the third year of the course, a student must have accumulated no fewer than 220credits from the course curriculum.

11.129.11 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum.

Final Honours Classification

11.129.12 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes which are taken in the fourth year.

Award

11.129.13 **BA with Honours:** In order to qualify for the award of the degree of BA with Honours in Applied Music, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.129.14 **BA**: In order to qualify for the award of the degree of BA in Applied Music a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.129.15 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Applied Music, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.129.16 **Certificate of Higher Education**: In order to qualify for the award of a Certificate of Higher Education in Applied Music, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.130 Physical Activity for Health

Sport and Physical Activity

BSc with Honours in Sport and Physical Activity

BSc in Sport and Physical Activity

Diploma of Higher Education in Sport and Physical Activity

Certificate of Higher Education in Sport and Physical Activity

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Courses

11.130.1 All students are normally admitted in the first instance as potential Honours students.

Mode of Study

11.130.2 The courses are available by both full-time and part-time study.

Place of Study

11.130.3 The courses involve placements outwith the University campuses for which students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update.

Curriculum

First Year

11.130.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B1 123 Culture and Context of Sport and Physical

Activity 1 20

B1 124 Foundations of Physical Activity for Health 1 20

B1 125 Foundations of Sport and Physical Activity

Psychology 1 20

B1 126 Introductory Physiology and Biomechanics 1 20

B1 127 Physiology and Biomechanics 1 20

B1 128 Sports Practice 1 1 20

Second Year

11.130.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B1 221 Coaching Practice and Sport Development 2 20

B1 222 Key Concepts in Sport and Physical Activity

Psychology 2 20

B1 223 Measurement and Statistics 2 20

B1 224 Physical Activity for Health, Fitness and

Wellbeing 2 20

B1 225 Physiology of Aerobic Exercise 2 20

B1 226 Sports Practice 2 2 20

Third Year

11.130.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B1 310 Placement and Professional Development 3 20

B1 343 Research Methods 3 20

B1 479 Research Project in Physical Activity for Health 3 20

Optional Classes

60 credits chosen from:

B1 311 Advanced Topics in Physical Activity3 20

B1 345 Sports Practice 3 3 20

B1 447 Biomechanics of Human Movement 4 20

B1 449 Nutrition for Health and Exercise 4 20

\* Some of the classes offered will vary from year to year

Elective Classes 20

Fourth Year

11.130.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B1 405 Dissertation 4 40

B1 455 Dissertation Research Skills 4 20

Optional Classes

60 credits chosen from:B1 446 Physical Education in Schools 4 20

B1 451 Physical Activity with Special Populations 4 20

B1 447 Biomechanics of Human Movement 4 20

B1 449 Nutrition for Health and Exercise 4 20

B1 311 Advanced Topics in Physical Activity 3 20

Elective Classes

**Curriculum (Part-time study)**

11.130.8 Part-time students will normally take classes amounting to 60 credits in each year of study.

Progress

11.130.9 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum, including all classes that are prerequisites for specific second year modules.

11.130.10 In order to progress to the third year of the course, a student must have accumulated at least 220credits from the course curriculum, including all classes that are prerequisites for compulsory third year modules.

11.130.11 In order to progress to the fourth year of the course, a student must have accumulated at least 360credits from the course curriculum.

11.130.12 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits.

Final Honours Classification

11.130.13 The final Honours classification will normally be based on:

(i) the first assessed attempt at compulsory and specified optional classes taken in the third and fourth years.

(iii) if appropriate, an oral examination.

Award

11.130.14 **BSc with Honours**: In order to qualify for the award of the degree of BSc with Honours in Sport and Physical Activity, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.130.15 **BSc:** In order to qualify for the award of the degree of BSc in Sport and Physical Activity, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.130.16 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Sport and Physical Activity, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.130.17 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Sport and Physical Activity, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.132 Psychology

Psychology

BSc with Honours in Psychology

BSc in Psychology

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

*The degree of BSc with Honours in Psychology is offered in conjunction with International Medical University, Malaysia, and the award is made in the name of the University of Strathclyde. The regulations are drawn up consequent upon the Memorandum of Agreement between both Universities as approved by the Senate.*

Status of the Courses

11.132.1 Admission to the degree will normally be limited to those students who have passed the designated course offered by the International Medical University. Such students shall be awarded credit transfer or RPL amounting to 240 credits. All students are admitted in the first instance as potential Honours students. All third and fourth year classes are taught and examined at the University of Strathclyde.

Mode of Study

11.132.2The course is available by full-time study only.

Curriculum

First and Second Years

11.132.3 The first and second year curricula are not taught as part of the course.

Third Year

11.132.4 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

C8 302 Research Methods in Psychology 3 20

C8 303 Individual Differences 3 20

C8 304 Cognition 3 20

C8 305 Development 3 20

C8 306 Psychobiology 3 20

C8 307 Social Psychology 3 20

Fourth Year

11.132.5 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

C8 426 Dissertation in Psychology 4 40

Optional Classes

80 credits chosen from the list of optional classes in Regulation 11.120.113.

Progress

11.132.6 In order to progress to the final year of the course a student must have accumulated 360 credits from the course curriculum*.* In addition, a student must have achieved a specified standard of performance having regard to level of study, academic attainment and any other criteria as specified in the Course Handbook.

Final Assessment and Honours Classification

11.132.7 In accordance with Regulation 11.1.29 a candidate who has not submitted the dissertation in the prescribed form by the due date as specified by the Department of Psychology may not be eligible to enter the Final Honours Examination.

11.132.8 The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional classes taken in the fourth year and, as appropriate, in the third year.

Award

11.132.9 **BSc with Honours:** In order to qualify for the award of the BSc with Honours in Psychology, a candidate must have accumulated no fewer than 480 credits from the course curriculum.

11.132.10 **BSc:** In order to qualify for the award of the BSc in Psychology, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.133 Social Work

Social Work

BA with Honours in Social Work

BA in Applied Social Studies

Diploma of Higher Education in Applied Social Studies

Certificate of Higher Education in Applied Social Studies

Course Regulations

[These regulations are to be read in conjunction with the General Regulations for Undergraduate Study at the University of Strathclyde (Regulation 11.1)]

Status of the Degree

11.133.1 Students may only be admitted in the first instance as potential Honours students once they have registered as social work students with the Scottish Social Services Council (SSSC). Students whose registration is revoked by the SSSC may not go on any further placement and will be transferred to the BA, Diploma or Certificate of Higher Education in Applied Social Studies subject to satisfying the progress and award requirements.

Mode of Study

11.133.2 The courses are available by full-time study only.

Place of Study

11.133.3 The courses involve placements in social work agencies for which students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update.

Curriculum

First Year

11.133.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

L5 107 Preparing for Lifelong Learning 1 20

L5 109 Psychology for Social Work 1 20

L5 110 Values Ethics and Justice 1 20

L5 115 Understanding Social Science and 1 20

Social Research

L5 116 Poverty, Disadvantage and Discrimination 1 20

Elective Class(es) 20

Second Year

11.133.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

L5 201 Social Work Organization and Collaborative

Practice 2 20

L5 206 Social Work Processes and Practice 2 20

L5 209 Law for Social Work Practice 2 20

L5 211 Understanding Risk and Protection 2 20

L5 207 Social Work in Diverse Contexts 2 20

L5 215 People, Communities and Society 2 20

Third Year

11.133.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

L5 311 Social Work in a Global Context 3 20

L5 312 Social Work Approaches and Methods 3 20

L5 313 Social Research and Social Work 3 20

L5 309 Assessed Practice 1 3 60

*BA in Applied Social Studies*

Elective Classes 60

Fourth Year

11.133.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

L5 409 Lifelong Learning for Social Work 4 20

L5 410 Honours Dissertation 4 40

L5 407 Assessed Practice 2 4 60

Progress

11.133.8 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

11.133.9 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including those for the class L5 206 Social Work Processes and Practice.

11.133.10 In order to progress to the fourth year of the course, a student must have accumulated 360 credits from the course curriculum including those for the class *L5 309 Assessed Practice 1*.

11.133.11. Progression at all stages on the Honours course for Social Work is dependent on students maintaining registration with the Scottish Social Services Council.

Final Honours Classification

11.133.12 The final Honours classification will normally be based on the first assessed attempt at compulsory classes in the third and fourth years.

Award

11.133.13 **BA with Honours:** In order to qualify for the award of the degree of BA with Honours in Social Work, a candidate must have accumulated no fewer than 480 credits from the course curriculum including those for the class *L5 407 Assessed Practice 2.*

11.133.14 **BA:** In order to qualify for the award of the BA in Applied Social Studies, a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.133.15 **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Applied Social Studies, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.133.16 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Applied Social Studies, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.133.17

To 11.133.37 (Number not used)

Education and Social Services

BA (Hons) in Education and Social Services

BA in Education and Social Services

Diploma of Higher Education in Education and Social Services

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.133.38 Admission to the course shall normally be to applicants with a recognised HNC or equivalent.

Status of the Courses

11.133.39 The courses are offered to BA level only. All students are admitted in the first instance to the Diploma of Higher Education in Education and Social Services.

Mode of Study

11.133.40 The courses are available by full-time study only.

Place of Study

11.133.41 The second year of the course is taught at either West College Scotland, New College Lanarkshire, or Glasgow Clyde College. Students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update.

First Year

11.133.42 The first year is not taught as part of the course.

Second Year

11.133.43 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

*For students studying at West College Scotland*

X9 283 Academic Literacy 2 20

JW 253 The Societal Context of Professional Working 2 20

JW 254 Introduction to Integrated Services 2 20

JW 255 How People Develop and Learn 2 20

JW 257 Workplace Learning and Practice 1 2 20

JW 259 Being Professional: Working Collaboratively 2 20

*For students studying at Glasgow Clyde College*

X9 283 Academic Literacy 2 20

LC 251 Being Professional: Working Collaboratively 2 20

LC 253 The Societal Context of Professional Working 2 20

LC 254 Introduction to Integrated Services 2 20

LC 255 How People Develop and Learn 2 20

LC 256 Workplace Learning and Practice 1 2 20

*For students studying at New College Lanarkshire*

X9 283 Academic Literacy 2 20

MW 263 The Societal Context of Professional Working 2 20

MW 264 Introduction to Integrated Services 2 20

MW 265 How People Develop and Learn 2 20

MW 267 Workplace Learning and Practice 1 2 20

MW 269 Being Professional: Working Collaboratively 2 20

Third Year

11.133.44 All students shall undertake classes amounting to 120 credits as follows:

Level Credits

L5318 Management and Leadership in Integrated

Services 3 20

L5317 Context, Policy and Joint Working 3 20

L5319 Understanding How People Behave 3 20

L5320 Workplace Learning and Practice 2 3 20

L5323 The Education of Looked After Children 3 20

L5322 Research Methods 3 20

Such other level 3 classes as may be approved by the Course Director.

L5322 is required for those students wishing to enter Honours.

**Fourth Year**

11.133.44 All students shall undertake classes amounting to 120 credits as follows:

Level Credits

L5414 Professional Enquiry and Evidence Informed

Practice - Dissertation 4 40

L5411 Workplace Learning and Practice 3 4 40

L5412 Personal and Professional Development 4 20

L5413 Specialist Pathway 4 20

Progress

11.133.44 In order to progress to the third year of the course, a student must have accumulated 240 credits from the course curriculum.

11.133.45 In order to progress to fourth year of the course, a student must normally have accumulated 360 credits from the course curriculum.

Award

11.133.46 **BA (Honours):** In order to qualify for the award of theBA (Honours) in Education and Social Services a student must have accumulated no fewer than 480 credits from the course curriculum.

11.133.47 **BA:** In order to qualify for the award of the degree of BA in Education and Social Services, a student must have accumulated no fewer than 360 credits from the course curriculum. Notwithstanding Regulation 11.1.10, these must include 120 credits at Level 3.

11.133.48 **Diploma of Higher Education**: in order to qualify for the award of a Diploma of Higher Education in Education and Social Services, a student must have accumulated no fewer than 240 credits from the course curriculum including at least 120 at Level 2 or above.

11.135 Speech and Language Pathology

Speech and Language Pathology

BSc with Honours in Speech and Language Pathology

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Course

11.135.1 All students are normally admitted in the first instance to the BSc (Honours) Speech and Language Pathology.

Mode of Study

11.135.2The course is available by full-time study only.

Place of Study

11.135.3 The course involves placements and lectures outwith the University campus for which students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update.

Curriculum

First Year

11.135.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B6106 Specialised Anatomy for Speech and

Language Pathology 1 20

C8107 Introduction to Psychology 1 20

B6112 Personal Development and

Professional Practice 1 1 20

B6 104 Phonetics: Theory 1 10

B6 105 Phonetics: Production and Transcription 1 10

B6 103 Linguistics 1: Pragmatics and Psycholinguistics 1 10

BE 106 Anatomy and Physiology for Speech and

Language Therapy 1 10

BE 104 Foundations for Interprofessional Practice 1 20

Second Year

11.135.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B6 208 Speech, Language and Communication Needs

and Intervention 1 2 20

B6 209 Speech, Language and Communication Needs

and Intervention 2 2 20

B6 211 Personal Development and Professional

Practice 2 2 20

B6 227 Linguistics 2: Grammar, Semantics and Prosody 2 20

B6 228 Aphasia, Dysarthria and Dysphagia 2 20

B6 229 Neurology and Paediatrics 2 10

B6 230 Audiology & ENT 2 10

Third Year

11.135.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B6 327 Personal Development and Professional

Practice 3 3 20

C8 203 Introduction to Research Design and Analysis 2 20

B6 340 Linguistics 3: Sociolinguistics, Bilingualism and

Speech Acoustics 3 20

B6 341 Fluency, Voice and Counselling 3 20

B6 342 Further Studies in Acquired Adult Communication

Disorders 3 20

B6 343 Communication Difficulties in Lifelong

Conditions 3 20

Fourth Year

11.135.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

B6 440 Research Investigation 4 40

B6 441 Advanced Study Option 1 4 20

B6 439 Personal Development and Professional

Practice 4 4 20

B6 437 Continuing Professional Development\* 4 20

B6 442 Advanced Study Option 2\* 4 20

\* Students who undertake study abroad will substitute these classes with an external study equivalent.

EX 114 External Study 4 40

Progress

11.135.8 In order to progress to the second year of the course, a student must have accumulated no fewer than 100 credits from the course curriculum.

11.135.9 In order to progress to the third year of the course, a student must have accumulated no fewer than 220 credits from the course curriculum*.*

11.135.10 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum.

Final Honours Classification

11.135.11 The final Honours classification will normally be based on:

(i) the first assessed attempt at compulsory classes taken in the fourth year, together with the first assessed attempt at B6437 Continuing Professional Development and B6442 Advanced Study Option 2, if taken; *and*

(ii) The first assessed attempt at compulsory classes taken in the third year, with the exception of C8203 Introduction to Research Design and Analysis.

Award

11.135.12 **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in Speech and Language Pathology, a candidate must have accumulated no fewer than 480credits from the course curriculum.

Transfer

11.135.13 A candidate who has accumulated 360 credits and who then either opts to transfer, or who fails to satisfy the progress or award requirements for the degree of BSc with Honours in Speech and Language Pathology may be transferred to the non-practising degree of BSc in Human Communication Studies.

11.135.14

to 11.135.20 (Numbers not used)

Human Communication Studies

BSc in Human Communication Studies

Diploma of Higher Education in Human Communication Studies

Certificate of Higher Education in Human Communication Studies

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Status of the Degree

11.135.21 All students will normally have been admitted in the first instance to the BSc with Honours in Speech and Language Pathology.

Mode of Study

11.135.22The course is available by full-time study only.

Place of Study

11.135.23 The course may involve placements outwith the University campus for which students a valid Disclosure Scotland Certificate or PVG (Protecting Vulnerable Groups) Scheme.

Curriculum

First Year

11.135.24 See Regulation 11.135.4

Second Year

11.135.25 See Regulation 11.135.5

Third Year

11.135.26 See Regulation 11.135.6

Progress

11.135.27 In order to progress to the second year of the course, a student must have accumulated no fewer than 100 credits from the course curriculum.

11.135.28 In order to progress to the third year of the course, a student must have accumulated no fewer than 220 credits from the course curriculum*.*

Awards

11.135.29 **BSc:** In order to qualify for the award of the degree of BSc in Human Communication Studies a candidate must have accumulated no fewer than 360 credits from the course curriculum.

11.135.30 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Human Communication Studies, a candidate must have accumulated no fewer than 240 credits from the course curriculum.

11.135.31 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Human Communication Studies, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

11.136.32

to 11.139 (Numbers not used)

11.140 Validated Courses

Social Sciences

Diploma of Higher Education in Social Sciences

Certificate of Higher Education in Social Sciences

Course Regulations

[These regulations are to be read in conjunction with Regulation 11.1]

Admission

11.140.1 In addition to the requirements of Regulation 2, applicants will normally be required to attend for interview as part of the selection process.

Direct entry to the Diploma may be permitted subject to approval of the Vice-Dean (Academic) on the recommendation of the Course Leader. In such cases, account will be taken of prior learning. Where direct entry to the Diploma is permitted, the student will be granted an appropriate number of credits by the Vice-Dean (Academic) on the recommendation of the Course Leader.

Status of the Courses

11.140.2 All students are normally admitted in the first instance as potential diploma students.

Mode of Study

11.140.3The courses are available by full-time study only.

Place of Study

11.140.4 The courses are taught at the City of Glasgow College (formerly Central College).

Curriculum

First Year

11.140.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CC 117 Politics 1A 1 20

CC 118 Politics 1B 1 20

CC 128 History 1A 1 20

CC 129 History 1B 1 20

CC 121 Psychology 1A 1 20

CC 124 Introduction to Economics 1 20

Second Year

11.140.6 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Compulsory Classes Level Credits

CC 244 International Relations and Global Politics 2 20

CC 245 Contemporary British Governance 2 20

CC 246 Modern Political Thought 2 20

3 x 20 credit classes at level 2 in History.

Progress

11.140.7 In order to progress to the second year of the course, a student must normally have accumulated at least 100 credits from the course curriculum including those from CC 117 Politics 1A, CC 118 Politics 1B, CC 128 History 1A and CC 129 History 1B.

Award

11.140.8 **Diploma of Higher Education**: In order to qualify for the award of a Diploma of Higher Education in Social Sciences, a candidate must have accumulated no fewer than 240credits from the course curriculum.

11.140.9 **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Social Sciences, a candidate must have accumulated no fewer than 120credits from the course curriculum.

**Transfer**

11.140.10 A candidate who has accumulated no fewer than 240 credits from the course curriculum including those for all the compulsory classes, and who is deemed to have achieved an approved standard of performance, may be permitted to transfer to the third year of the BA in Arts and Social Sciences.

11.140.11 to

11.145 (numbers not used)

Integrated Masters Degrees

The following awards are conferred by the University by the authority of the Senate under Ordinances 3 and 5 in accordance with the following General Regulations:

Master in Science (MSci)

Master of Architecture (MArch)

Master of Chemistry (MChem)

Master of Engineering (MEng)

Master of Mathematics (MMath)

Master of Pharmacy (MPharm)

Master of Physics (MPhys)

*Notes:*

*1 Decisions on admission are taken by Course Directors, Vice-Deans or Heads of Department (or their nominee(s)).*

*2 All decisions taken by Boards of Study, acting on behalf of the Senate, shall subsequently be reported to the Senate.*

*3 All decisions taken by Boards of Examiners shall subsequently be reported to the relevant Board of Study which shall receive them on behalf of the Senate.*

*4 Decisions on awards are taken by Boards of Study on behalf of the Senate. The Board of Study may delegate this power by formal resolution following specific recommendation to the Senate.*

*5 Where reference is made in Regulations to information in Course Handbooks, that information shall have been approved by the relevant Board of Study.*

*6 The curriculum shall comprise compulsory, optional and elective classes. These are defined as follows:*

*‘Compulsory’ refers to classes which must be taken as part of the course curriculum.*

*‘Optional’ refers to classes chosen by a student from a list defined in a course curriculum.*

*‘Elective’ refers to classes freely chosen by a student from classes offered by the University.*

*Optional and Elective classes may be restricted by requirements for defined pre-requisites, availability and timetabling constraints (see the Class Catalogue for the detailed list of classes).*

*Where a class has a pre-requisite this should be clearly stated in the Class Catalogue and in the Course Handbook.*

*7 The course regulations that follow quote SHE Levels. The equivalence of SHE and SCQF Levels is as follows:*

*SHE Level 1: SCQF Level 7 SHE Level 2: SCQF Level 8 SHE Level 3: SCQF Level 9 SHE Level 4: SCQF Level 10*

*SHE Level 5: SCQF Level 11*

*8 In interpreting these regulations, reference should be made, where appropriate, to Course Handbooks. Regard should also be taken of the University’s Constitutional Regulations.*

*9 In the unlikely event of any conflict between the Regulations and other University publications including Course Handbooks, Regulations take precedence.*

12.1 General Regulations for Integrated Masters Degrees

Admission

12.1.1 Every applicant for admission to an Integrated Masters course must satisfy the General Entrance Requirements as specified in Regulation 2 and any additional Course Entrance Requirements specified by the Department(s) and approved by the relevant Board of Study.

Credit Transfer and Recognition of Prior Learning (RPL)

12.1.2 The relevant Board of Study (or nominee(s)) may admit applicants and/or approve exemption from part of a course by credit transfer or RPL provided this is done in accordance with University procedures and against criteria defined on a course by course basis.

Credit granted for credit transfer or RPL may only be used once and, when used to gain exemption, will normally relate to achievements within 5 years of registration on a University of Strathclyde course.

Exemption granted on the basis of credit transfer or RPL will be allowed primarily where an applicant can demonstrate that the relevant specific learning outcomes have been achieved (i.e. primarily for specific rather than general credit). The extent of any allowed exemption shall preferably not exceed 20% and shall normally not exceed 40% of the credits appropriate to the course. Exceptionally, by formal resolution, the Senate may approve up to 60% exemption in special circumstances.

Where any such exemption is granted, the Board of Study will award the appropriate number of credits and may reduce the minimum and maximum period of study appropriately.

Modes of Study

12.1.3 Courses are offered on a full-time and/or part-time basis except where indicated to the contrary in the course regulations.

At the discretion of the relevant Board of Study on the recommendation of the relevant Course Director (or nominee), a student may transfer from full-time to part-time study and vice-versa where an appropriate course is available, at which time the relevant minimum and maximum periods of study will be reviewed.

Minimum Periods of Study

12.1.4 For full-time study, the minimum period of study shall normally be 5 years (assuming entry at Level 1).

For part-time study, the minimum period of study shall be the learning equivalent of the full-time study period required, taking account of the conditions under which the student will work. The overall duration of study will normally be greater than for full-time study.

Maximum Periods of Study

12.1.5 Unless otherwise specified, the maximum periods of study shall be 7 years for full-time study and 12 years for part-time study (assuming entry at Level 1)

Exceptionally, the maximum period of study may be extended by the Senate on the recommendation of the relevant Board of Study.

Place of Study

12.1.6 Except where the Senate has approved distance learning arrangements for off-campus delivery, instructional classes shall normally be undertaken within the University.

A student may undertake part of their study in an approved institution abroad, according to an approved curriculum. Normally only one such study period, to be taken prior to the final year of their course, is permitted.

Course Structure and Curriculum

12.1.7 Each candidate for an award must follow the curriculum prescribed in the relevant course regulations. These may be amended from time to time by the Senate on the recommendation of the relevant Board of Study.

12.1.8 In accordance with the University Awards Framework, individual classes shall be assigned a level based on expected learning outcomes and a credit rating based on the volume of learning required.

12.1.9 The award structure of courses shall normally accord with the following:

|  |  |  |
| --- | --- | --- |
| Award | Credit Requirement | Minimum Level Requirement |
| Master in Science, Master of Pharmacy, Master of Architecture, Master of Chemistry, Master of Engineering, Master of Mathematics and Master of Physics | 600 credits | 120 credits at Level 5  220 credits at Levels 4 + 5 |

For the avoidance of doubt, credits at a higher level shall, where necessary, be deemed to satisfy the requirements at a lower level.

*(Notes:*

*1 For a typical student, 1 credit equates to approximately 10 hours of total student effort.*

*2 In certain circumstances, for example to meet professional accreditation requirements, the credit requirement may exceed the above framework.)*

12.1.10 The curriculum of every student must be approved at the start of each academic year or level of study (as appropriate) by the relevant Course Director, or equivalent, acting on behalf of the Board of Study.

12.1.11 Each degree course curriculum shall include elective classes amounting to no fewer than 20 credits normally taken prior to the fourth year of full-time study.

12.1.12 A full-time student shall in each year of study follow a curriculum containing 120 credits including any elective credits.

12.1.13 Notwithstanding the provisions of Regulation 12.1.12, exceptionally, additional optional classes at an appropriate level may be chosen as part of the curriculum subject to the approval of the Head of Department (or nominee) responsible for offering each class. The curriculum (of the student) shall be reported to the Board of Study.

12.1.14 Notwithstanding the provisions of Regulation 12.1.12, by formal resolution of the Senate, a course curriculum may exceed 120 credits in any one year.

12.1.15 Where a full-time student is admitted with advanced standing and is exempted from part of an academic year’s curriculum, additional classes may require to be taken to bring the total credits studied to at least 120 credits.

12.1.16 In the first and second years of full-time study, the curriculum will normally comprise six 20 credit classes. By formal resolution of the Senate, a 20 credit class may be replaced by two 10 credit classes in the first and/or second years of any course.

In the third, fourth and fifth years of full-time study, classes in integer multiples of 20 credits may be permitted, subject to approval by the Senate.

12.1.17 A student studying on a part-time or distance learning basis shall undertake a curriculum of typically 40 – 80 credits in any year of study.

12.1.18 The curriculum for a course shall be set out in the course regulations and shall indicate which classes are compulsory or optional. Where a pass in a particular class is a necessary condition for progress or for the award of a degree, this shall be clearly stated in the relevant course regulations.

12.1.19 Notwithstanding the provisions of Regulation 12.1.10, where unlisted optional classes may be chosen as part of the curriculum, the approval of the Head of Department (or nominee) responsible for offering each class is also required.

12.1.20 The University cannot guarantee that all optional and/or elective classes will be available in any given academic year. The choice of classes may be subject to constraints of timetabling and may also be influenced by professional requirements as well as by a student’s entrance qualifications or pre-requisite classes passed.

Attendance and Performance

12.1.21 Every applicant admitted to a course of study shall be required to attend regularly and to perform satisfactorily the work of each class in their curriculum.

12.1.22 A student has an obligation to inform the University at the first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.

12.1.23 A student who, in the opinion of the Head(s) of Department(s) (or nominees) offering a class and the relevant Vice Dean Academic, does not satisfy the requirements as to attendance and to performance and having been informed in writing, shall not be entitled to take the examination or outstanding assessments in the subject of that class.

12.1.24 Notwithstanding Regulation 12.1.23, a registered student may subsequently be permitted by the Head of Department to take the examination or outstanding assessments in the subject of the class at the next available opportunity subject to satisfactory completion of appropriate course work.

Examinations and Assessment

12.1.25 A student shall complete the assessments during the academic year in which the classes were undertaken unless permitted by the relevant Board of Study to postpone the assessment.

12.1.26 Taught classes shall be assessed by

(i) coursework assignments; or

(ii) written examinations; or

(iii) oral examinations; or

(iv) any combination of the above

unless specified otherwise in the relevant Course Handbook.

Except where a course includes an integrative/reflective class that will draw on work in other classes, each item of work may only be assessed in one class.

12.1.27 There shall normally be two diets of formal assessment (in January or in May and in August approximately) for each class at Levels 1, 2 and 3 in each academic year. However, the assessment for a class at Levels 4 and 5 will normally be held only once in each academic year unless the relevant Board of Study decides otherwise.

12.1.28 Where a pass in the project or dissertation taken in the final year is required for the award of the degree, a candidate who fails to submit the project or dissertation by the due date may not be eligible to complete the remainder of the Final Year assessment.

12.1.29 The progress of every student shall be determined by the relevant Board of Examiners, although the Board shall defer consideration of progress or award for any student currently involved in disciplinary proceedings.

12.1.30 A student who is deemed to have failed in a taught class at Level 1, 2 or 3 or who has been debarred in terms of Regulation 12.1.23 shall normally have one further opportunity to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide. The nature of re-assessment to be applied to all students shall be identified in Course Handbooks.

Unless prior authority of the relevant Board of Study has been given, a student who fails to satisfy the Board of Examiners at the first assessment for a class shall undertake re-assessment at the first available opportunity.

12.1.31 At the discretion of the relevant Board of Examiners or Course Director, students may be required to attend and participate in an oral examination. Exceptionally, this may be in place of the normal assessment for the relevant class(es). Note that Regulations 12.1.30 and 12.1.31 do not permit a borderline candidate to be given an oral examination by an External Examiner.

12.1.32 Notwithstanding the provisions of Regulation 12.1.30, the Board of Examiners may exceptionally permit alternative forms of re-assessment for a class where they consider it to be in a student’s interest.

12.1.33 Notwithstanding the provisions of Regulation 12.1.30, the Board of Examiners may permit a student who satisfies the attendance and performance requirements of a class a maximum of two further attempts at passing the class. The Board of Examiners may additionally require a student to re-attend a class.

12.1.34 Notwithstanding the provisions of Regulation 12.1.30, the relevant Board of Study acting on the recommendation of the Board of Examiners may discount an attempt for a class where appropriate medical or other evidence has been provided.

12.1.35 Notwithstanding the provisions of Regulations 12.1.27 and 12.1.30, a candidate will be permitted to re-take specific classes at Level 4 or 5 to satisfy professional accreditation requirements. In these circumstances the final classification will be based solely on the student’s first attempt at the assessment.

12.1.36 Notwithstanding the provisions of Regulations 12.1.27 and 12.1.30, a candidate who has taken either the whole or part of the Level 4 or 5 assessment will be permitted to be re-assessed in whole or in part where there are medical, personal or other circumstances which have adversely affected the student’s performance. In these circumstances, permission may be granted by the Board of Examiners concerned, subject to a report of any such cases to the relevant Board of Study.

Award of Credits

12.1.37 When considering the award of credits, the relevant Board of Examiners will have regard to the requirements of Regulation 1.10.35 concerning examination marks and compensation.

12.1.38 The relevant Board of Examiners shall award credits as follows:

(i) in years 1 – 3, the number of credits for classes passed at Levels 1, 2 and 3;

(ii) in subsequent years, credits corresponding to the classes completed.

The relevant Board of Examiners shall award Merit or Distinction to a full-time student as follows:

1. Merit will be applied where a student has achieved a credit-weighted average of 60% - 69% in their first attempt having passed all examinations.
2. Distinction will be applied in Years 1-4 where a student has achieved a credit weighted average of 70% or more at the first attempt having passed all exams.

For the avoidance of doubt a pass by compensation shall be regarded as a pass but with no change to the credit weighted average.

Progress of Students

12.1.39 To proceed to the next year of a course, a full-time student must normally accumulate the minimum number of credits in accordance with the following general framework:

|  |  |
| --- | --- |
| **Progression** | **Minimum Number of Credits Required** |
| First – Second Year | 100 |
| Second – Third Year | 220 |
| Third – Fourth Year | 360 |
| Fourth – Fifth Year | 480 |

At all stages of the course, a student, in addition, must achieve an approved standard of performance with regard to level of study and academic attainment as specified in the Course Handbook.

Individual courses may specify minimum credit numbers greater than those given above in which case these shall be given in the relevant course regulations.

12.1.40 Exceptionally, the relevant Board of Study acting on the recommendation of the Board of Examiners may allow a student to proceed to the next year of their course with fewer credits than specified in Regulation 12.1.39 or in the higher progress requirements stated in that student's course regulations, although only for good cause shown.

12.1.41 A student studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits. More detailed progress regulations may be specified in individual course regulations.

12.1.42 A student studying on a part-time basis shall not normally proceed to the next year of study with more than 20 credits outstanding.

Transfer of Registration, Suspension and Withdrawal

12.1.43 Where a candidate has failed to satisfy the Board of Examiners, the Board of Study, in accordance with the recommendation of the Board of Examiners, may

(i) require that registration be transferred to a degree of Bachelor with Honours or Degree of Bachelor or Diploma of Higher Education or Certificate of Higher Education (as appropriate) subject to a related course being available; or

(ii) suspend a student from attendance at classes but require them to undertake assessments until the required number of credits and necessary passes have been obtained to allow the student to proceed to the next year of the course; or

(iii) terminate the student’s registration and require the student to withdraw.

12.1.44 Where a candidate registered for an Integrated Masters degree has satisfied the relevant Board of Examiners but requests transfer to a degree of Bachelor with Honours, Bachelor or Diploma of Higher Education or Certificate of Higher Education, the Board of Study, in accordance with the recommendation of the relevant Head of Department or Course Director or Board of Examiners, may permit registration to be transferred to a degree of Bachelor with Honours or Bachelor or Diploma of Higher Education or Certificate of Higher Education (as appropriate) subject to a related course being available.

12.1.45 On the recommendation of the relevant Course Director (or nominee), the Board of Study may approve transfer of a student’s registration between an Integrated Masters degree and a

(i) Certificate of Higher Education;

(ii) Diploma of Higher Education;

(iii) degree of Bachelor;

(iv) degree of Bachelor with Honours

as appropriate, subject to a related course being available.

12.1.46 On the recommendation of the relevant Course Director (or nominee), the relevant Vice Dean Academic may permit a student to undertake voluntary suspension for the whole or part of an academic year or transfer between full-time and part-time study where available.

12.1.47 Notwithstanding the provisions of Regulation 12.1.30, a student who is reported to the relevant Board of Study under Regulation 12.1.23 or Regulation 5.4.2(iv) for persistent non-attendance at classes, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw from the course.

12.1.48 A student may also be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulation 5.

Classification of Degree

12.1.49 A student may be awarded a degree, a degree with merit or a degree with distinction.

In reaching their decision, the relevant Board of Examiners shall have regard to a student’s performance against approved criteria and consider the composite mark against the following general framework:

|  |  |
| --- | --- |
| Classification | Composite Mark |
| Distinction | 70 -100 |
| Merit | 60 – 69 |
| Award | 50 – 59 |

12.1.50 A candidate who has failed to be placed in one of the classes specified in Regulation 12.1.49 may be transferred to the degree of Bachelor with Honours in accordance with Regulation 12.1.42 and may be granted exemption either in whole or in part from the assessments required for that degree. The exemption will only be granted when, in the opinion of the Board of Examiners, evidence of sufficient attainment has been provided.

Appeals Against Transfer of Registration, Suspension, Withdrawal and Degree Classification

12.1.51 A student who has been

(i) required to transfer registration; or

(ii) suspended from attendance at classes; or

(iii) required to withdraw

under the provisions of Regulations 12.1.23, 12.1.43 and 12.1.47 may appeal to the relevant Board of Study for reconsideration of the case.

12.1.52 A student may appeal to the relevant Board of Study for reconsideration of the classification of the degree awarded. Such an appeal must be submitted and the outcome of any such appeal must be decided upon before the student graduates.

12.1.53 The grounds for appeals under Regulations 12.1.51 and 12.1.52 may be any of the following:

(i) that there were procedural irregularities in the conduct of the examination or of the assessment (including alleged administrative error of such a nature as to cause reasonable doubt as to whether the Board of Examiners would have reached the same conclusion if the alleged error had not been made); or

(ii) that there were medical, personal or other circumstances affecting the student's performance of which the Board of Examiners were not aware when their decision was taken (an Appeals Board will take into account whether a student has met the obligations of Regulation 12.1.22); or

(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners.

Such an appeal shall be lodged in writing with the relevant Faculty Officer no later than a date specified by the Board of Study and notified in the letter informing the student of the transfer of registration or suspension or the requirement to withdraw or the degree classification. The appeal shall be supported by appropriate documentary evidence not previously available.

12.1.54 A student has an ultimate right of appeal to the Senate normally following an unsuccessful appeal to the relevant Board of Study. Such an appeal shall be lodged in writing with the Head of Governance, Management and Policy Team within six weeks of the date on the Faculty Appeal outcome letter and shall be supported by all the appropriate documentary evidence. The student will have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

Award

12.1.55 In order to qualify for a University of Strathclyde award, a student who has been granted exemption from earlier years of a University of Strathclyde course through credit transfer or RPL (in accord with Regulation 12.1.2) must gain from the University of Strathclyde course curriculum a minimum of 240 at Levels 4 and 5. In addition, a candidate must comply with the requirements of Ordinance 3.4.3.

12.1.56 A candidate who satisfies the conditions of the Ordinances governing the award of degrees and of the general and course regulations shall, on payment of the required fees, be entitled to receive the appropriate Integrated Masters degree. To qualify for the award of the degree, a candidate must have obtained passes in classes at all levels of the curriculum as specified in the course regulations. The graduate shall receive a degree parchment setting forth the course of study in which the degree has been granted and, if appropriate, the classification in which the graduate has been placed.

12.2

to 12.11 (Numbers not used)

*For Information:*

*The following Course Regulations should be read in conjunction with the above General Regulations, and other University publications.*

12.12 Department of Pure and Applied Chemistry

Chemistry

MChem in Chemistry

MChem in Forensic and Analytical Chemistry

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.12.1 The courses are at Integrated Masters level. Transfer to the relevant BSc degree is possible at any time, subject to satisfying the appropriate progress regulations.

Mode of Study

12.12.2 The courses are available by both full-time and part-time study.

Place of Study

12.12.3 The courses include an Industrial placement normally outwith the campus.

Curriculum

First Year

12.12.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry: Principles and Practice 2 1 20

CH 108 Practical and Transferable Skills 1 20

MM 116 Mathematics 1C 1 20

Optional Classes

Either

PH 151 Mechanics, Optics and Waves\* 1 20

or

BM 109 Cells and Their Molecules 1 20

\*Or other approved classes in Physics

Elective Class(es) 20

Second Year

12.12.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 202 Inorganic Chemistry 2 20

CH 205 Practical Physical and Applied Chemistry 2 20

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physical Chemistry 1 2 20

CH 213 Forensic Trace Analysis and Analytical Chemistry 2 20

CH 214 Practical Organic and Inorganic Chemistry 2 20

Third Year

12.12.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 309 Physical Chemistry 2 3 20

CH 315 Practical Organic and Inorganic Chemistry 3 20

CH 325 Intermediate Organic Chemistry and

Spectroscopy 3 20

CH 326 Inorganic Chemistry, Structures and

Spectroscopy 3 20

together with classes appropriate to the chosen course:

*Chemistry*

40 credits including one theory class and one associated practical class chosen from:

CH 314 Practical Physical, Applied and Drug Discovery

Chemistry 3 20

CH 323 Chemical Biology 3 20

OR

CH 313 Practical Physical, Applied, Forensic and

Analytical Chemistry 3 20

CH 316 Analytical Chemistry and Drugs of Abuse 3 20

Students can only choose CH 323 if they already have BM 109 Cells and Their Molecules

*Forensic and Analytical Chemistry*

CH 313 Practical Physical, Applied, Forensic and

Analytical Chemistry 3 20

CH 316 Analytical Chemistry and Drugs of Abuse 3 20

Fourth Year

12.12.7 All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

CH 450 Distance Learning Assignment 4 40

and either

CH 451 Industrial Placement 4 80

or

CH 452 Research Placement 4 80

or

CH 462 Knowledge Exchange Placement 4 80

Fifth Year

12.12.8 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

*Chemistry*

CH 566 MChem in Chemistry 5 120

*Forensic and Analytical Chemistry*

CH 567 MChem in Forensic and Analytical Chemistry 5 120

Each of the above classes comprises:

CH 552 Core Chemistry 5 40

CH 569 MChem Project and Dissertation 5 40

together with a class in the relevant subject area:

CH 553 Chemistry Specialisation 5 40

or

CH 554 Forensic and Analytical Chemistry Specialisation 5 40

Curriculum (Part-time study)

12.12.9 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

12.12.10 In order to progress to the second year of the course a student must have accumulated at least 100 credits from the course curriculum including those for the classes *CH 106 Chemistry: Principles and Practice 1, CH 107 Chemistry: Principles and Practice 2, CH 108 Practical and Transferable Skills* and *MM 116 Mathematics 1C*.

12.12.11 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum including normally 120 at Level 2 from Chemistry classes.

12.12.12 In order to progress to the fourth year of the course, a student must normally have accumulated no fewer than 360 credits from the course curriculum including at least 60 Level 3 credits from third year Chemistry classes.

12.12.13 In order to progress to the fifth year of the course, a student must normally have accumulated no fewer than 480 credits from the course curriculum including 120 credits at Level 4 from the fourth year Chemistry classes.

Final Assessment and Honours Classification

12.12.14 On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits under the class code *CH 566* or *CH 567* as appropriate.

12.12.15 The final classification for the degree of MChem in the chosen course will be based on the first assessed attempt at compulsory and specified optional classes taken in the third, fourth and fifth years.

Award

12.12.16 **MChem**: In order to qualify for the award of the degree of MChem in the chosen course,a candidate must have accumulated no fewer than 600 credits from the course curriculum.

12.12.17 Notwithstanding Regulation 12.1.49, the degree will be classified in accordance with Regulation11.1.50.

12.12.18 **BSc Honours**: In order to qualify for the award of the degree of BSc Honours in Chemistry (Professional Experience), a candidate must have accumulated no fewer than 480 credits from the course curriculum.

Transfer

12.12.19 A student who fails to satisfy the progress or award requirements for the degree of MChem may be transferred to the BSc with Honours in the chosen course.

12.12.20 A student who at the end of fourth year fails to satisfy the progress requirements for or who does not wish to progress to fifth year may be transferred to the BSc with Honours in Chemistry (Professional Experience).

12.12.21

to 12.12.50 (Numbers not used).

Chemistry with Drug Discovery

MChem in Chemistry with Drug Discovery

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.12.51 The course is at Integrated Masters level. Transfer to the BSc in Chemistry with Drug Discovery is possible at any time up to and including the end of the third year, subject to satisfying the appropriate progress requirements.

Mode of Study

12.12.52 The course is available by both full-time and part-time study.

Place of Study

12.12.53 The course includes an Industrial Placement normally outwith the campus.

Curriculum

First Year

12.12.54 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 109 Cells and Their Molecules 1 20

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry: Principles and Practice 2 1 20

CH 108 Practical and Transferable

MM 116 Mathematics 1C 1 20

Elective Class(es) 20

Second Year

12.12.55 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 202 Inorganic Chemistry 2 20

CH 205 Practical Physical and Applied Chemistry 2 20

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physcial Chemistry 1 2 20

CH 214 Practical Organic and Inorganic Chemistry 2 20

MP 217 Pharmaceutics 2 20

Third Year

12.12.56 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 309 Physical Chemistry 2 3 20

CH 314 Practical Physical, Applied and Drug Discovery

Chemistry 3 20

CH 315 Practical Organic and Inorganic Chemistry 3 20

CH 323 Chemical Biology 3 20

CH 325 Intermediate Organic Chemistry and

Spectroscopy 3 20

CH 326 Inorganic Chemistry, Structures and

Spectroscopy 3 20

Fourth Year

12.12.57 All students shall normally undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 450 Distance Learning Assignment 4 40

and either

CH 451 Industrial Placement 4 80

or

CH 452 Research Placement 4 80

or

CH 462 Knowledge Exchange Placement 4 80

Fifth Year

12.12.58 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Level Credits

CH 568 Chemistry with Drug Discovery\* 5 120

\**CH 568* comprises:

CH 541 Core Chemistry for Drug Discovery 5 40

CH 542 Drug Discovery Specialisation 5 40

CH 569 MChem Project and Dissertation 5 40

Curriculum (Part-time study)

12.12.59 Part-time students will normally take classes amounting to 60 credits in each year of study.

Progress

12.12.60 In order to progress to the second year of the course a student must have accumulated at least 100 credits from the course curriculum including normally those for the classes *CH 106 Chemistry: Principles and Practice 1, CH 107 Chemistry: Principles and Practice 2, CH 108 Practical and Transferable Skills* and *MM 116 Mathematics 1C*.

12.12.61 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum including normally 120 at Level 2 from the second year Chemistry classes.

12.12.62 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum including at least 60 at Level 3 from third year Chemistry classes.

12.12.63 In order to progress to the fifth year of the course, a student must normally have accumulated no fewer than 480 credits from the course curriculum including 120 at Level 4 from the fourth year compulsory classes.

Final Assessment and Classification

12.12.64 On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits under the class code *CH 568*.

12.12.65 The final classification for the degree of MChem will be based on the first assessed attempt at compulsory and specified optional classes taken in the third, fourth and fifth years.

# Award

* + 1. **MChem**: In order to qualify for the award of the degree of MChem in Chemistry with Drug Discovery, a candidate must have accumulated no fewer than 610 credits from the course curriculum.
    2. Notwithstanding Regulation 12.1.49, the degree will be classified in accordance with Regulation 11.1.50.

12.12.38 **BSc Honours**: In order to qualify for the award of the degree of BSc Honours in Chemistry (Professional Experience), a candidate must have accumulated no fewer than 480 credits from the course curriculum.

# 

# Transfer

12.12.38 A student who fails to satisfy the progress or award requirements for the degree of MChem may be transferred to the BSc with Honours in Chemistry with Drug Discovery.

12.12.39 A student who at the end of fourth year fails to satisfy the progress requirements for or who does not wish to progress to fifth year may be transferred to the BSc with Honours in Chemistry (Professional Experience).

12.13 Department of Computer and Information Sciences

Computer Science

MEng in Computer Science

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.13.1 The course is at Integrated Masters level.

Mode of Study

12.13.2The course is available by full-time study only.

Place of Study

12.13.3 The course includes an Industrial Placement.

Curriculum

12.13.4 First Year

All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 103 Machines, Languages and Computation 1 20

CS 104 Information and Information Systems 1 20

CS 105 Programming Foundations 1 20

CS 106 Computer Systems and Organisation 1 20

CS 109 Topics in Computing 1 1 10

CS 110 Combinatorics for Computer Science 1 1 10

MS 112 Business Analysis and Technology 1 20

Second Year

12.13.5 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

CS 207 Advanced Programming 2 20

CS 208 Logic and Algorithms 2 20

CS 209 User and Data Modelling 2 20

CS 210 Computer Systems and Architecture 2 20

CS 211 Professional Issues in Computing 2 10

MS 211 Managing Business Processes and

Information Systems 2 20

Either

CS 212 Topics in Computing 2 2 10

Or

CS 215 Combinatorics for Computer Science 2 2 10

Third Year

12.13.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

CS 313 Computer Systems and Concurrency 3 20

Elective Class(es) 20

Optional Classes

60 credits chosen from:

CS 310 Foundations of Artificial Intelligence 3 20

CS 311 Programming Language Definition and

Implementation 3 20

CS 312 Web Applications Development 3 20

CS 316 Functional Programming 3 20

CS 317 Mobile App Development 3 20

Industrial Placement 1

12.13.7 All students shall normally undertake the class CS 416 *Industrial Placement 1* between the third and fourth years. This class shall consist of a placement of approximately 12 weeks on work approved by the Course Director and shall count for 20 credits at Level 4 in the calculation of the final degree classification.

Fourth Year

12.13.8 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

CS 418 Computer Science\* 4 80

CS 408 Individual Project 4 40

*\*CS 418 Computer Science* comprises 80 credits chosen from:

CS 409 Software Architecture and Design 4 20

CS 410 Advanced Functional Programming 4 20

CS 411 Theory of Computation 4 20

CS 412 Information Access and Mining 4 20

CS 414 Digital Forensics 4 20

MS 418 Project Management 4 20

Such other Level 4 classes as may be approved by the Course Director.

Industrial Placement 2

12.13.9 Students who have already taken the class CS 416 *Industrial Placement 1*, may additionally undertake the class *CS 552**Industrial Placement 2* between the fourth and fifth years. This class shall consist of a placement of approximately 12 weeks on work approved by the Course Director and shall count for 20 credits at Level 5 in the calculation of the final degree classification.

Fifth Year

12.13.10 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

CS 555 Computer Science\* 5 80

CS 546 Group Project 5 40

*CS 555 Computer Science* comprises:

80 credits chosen from:

CS 547 Advanced Topics in Software Engineering 5 20

CS 548 Designing Usable Systems 5 20

CS 549 Distributed Information Systems 5 20

CS 551 Mobile Software and Applications 5 20

and Optional classes listed in Regulation 19.13.94.

Such other Level 5 classes as may be approved by the Course Director.

Progress

12.13.11 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum which must include a non-compensated Pass for the class *CS 105 Programming Foundations.*

12.13.12 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including at least 100 credits at Level 2 which must include a non-compensated Pass for the class *CS 207 Advanced Programming*..

12.13.13 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including at least 100 credits at Level 3.

12.13.14 In order to progress to the fifth year of the course, a student must have accumulated at least 480credits from the course curriculum including those for the class *CS 408 Individual Project* and normally for the class *CS 416 Industrial Placement 1.*

Final Classification

12.13.15 On successful completion of the fourth year, a candidate will be awarded 80 Level 4 credits under the class code *CS 418 Computer Science.*

12.13.16 On successful completion of the fifth year, a candidate will be awarded 80 Level 5 credits under the class code *CS 555 Computer Science.*

12.13.17 The final classification for the degree of MEng in Computer Science will normally be based on the first assessed attempt at all classes taken at Levels 4 and 5.

Award

12.13.18 **MEng:** In order to qualify for the award of the degree of MEng in Computer Science a candidate must have accumulated no fewer than 620 credits from the course curriculum including those for the classes *CS 408 Individual Project*, *CS 546 Group Project,* and *CS 416* *Industrial Placement 1.*

Transfer

12.13.19 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to the degree of BSc with Honours in Computer Science.

12.14 (Number not used)

12.15 Department of Mathematics and Statistics

Mathematics

MMath in Mathematics

MMath in Mathematics and Statistics

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.15.1 The course is at Integrated Masters level. Transfer to the BSc with Honours in Mathematics is possible at any time subject to satisfying the appropriate progress requirements. Transfer to the BSc with Honours in Mathematics and Statistics is possible from the end of third year, subject to satisfying the appropriate progress requirements.

Mode of Study

12.15.2 The course is available by full-time and part-time study.

Curriculum (Full-time study)

First Year

12.15.3 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

MM 103 Geometry and Algebra with Applications 1 20

MM 104 Statistics and Data Presentation 1 20

MM 108 Applying Mathematics 1 1 10

MM 109 Applying Mathematics 2 1 10

Elective Class(es) 20

Second Year

12.15.4 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

MM 203 Applicable Analysis 2 20

MM 204 Probability and Statistical Inference 2 20

MM 205 Introduction to Newtonian Mechanics 2 20

MM 206 Mathematical and Statistical Computing 2 20

Third Year

12.15.5 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 300 Complex Variables and Integral Transforms 3 20

MM 301 Linear Algebra 3 20

MM 302 Differential Equations 3 20

Optional Classes

60 credits chosen from the following list or another class approved by the Course Director.

MM 303 Applicable Analysis 2 3 20

MM 304 Inference and Regression Modelling 3 20

MM 305 Mechanics of Rigid Bodies and Fluids 3 20

MM 306 Numerical Analysis 3 20

MM 307 Stochastics and Financial Econometrics 3 20

Fourth Year

12.15.6 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

*Mathematics*

MM 400 Mathematics\* 4 120

\* *MM 400 Mathematics* comprises:

MM 401 Communicating Mathematics and Statistics 4 20

and classes amounting to 100 credits chosen from lists A and B below.

*Mathematics and Statistics*

MM 410 Mathematics and Statistics\*\* 4 120

*\*\* MM 410 Mathematics and Statistics* comprises:

MM 401 Communicating Mathematics and Statistics 4 20

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 407 Applied Statistics in Society 4 20

and classes amounting to 40 credits chosen from List B below.

Optional Classes

List A

MM 402 Modelling and Simulation with Applications to

Financial Derivatives 4 20

MM 404 Statistical Modelling and Analysis 4 20

MM 407 Applied Statistics in Society 4 20

List B\*\*\*

MM 403 Applicable Analysis 3 4 20

MM 405 Fluids and Waves 4 20

MM 406 Finite Element Methods for Boundary Value

Problems and Approximation 4 20

MM 408 Mathematical Biology and Marine Population

Modelling 4 20

MM 409 Mathematical Introduction to Networks 4 20

MM 411 Elasticity and Complex Materials 4 20

MM 412 Optimization: Theory and Practice 4 20

MM 413 Statistical Mechanics 4 20

MM 414 Dynamical Models in Epidemiology 4 20

\*\* Not all of these classes will be available every year

Fifth Year

12.15.8 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

*Mathematics*

MM 500 Mathematics\* 5 120

\* *MM 500 Mathematics* comprises a Project and Level 5 classes chosen from the lists below:

Compulsory Class

MM 501 Project 5 40

in Mathematics and classes amounting to 80 credits chosen from the list below:

*Mathematics and Statistics*

MM 510 Mathematics and Statistics\*\* 5 120

\*\* *MM 510 Mathematics and Statistics* comprises

MM 501 Project 5 40

in Statistics and classes amounting to 80 credits chosen from the list below.

Optional Classes\*\*\*

MM 502 Modelling and Simulation with Applications to

Financial Derivatives 5 20

MM 503 Applicable Analysis 3 5 20

MM 504 Statistical Modelling and Analysis 5 20

MM 505 Fluids and Waves 5 20

MM 506 Finite Element Methods for Boundary Value

Problems and Approximation 5 20

MM 507 Applied Statistics in Society 5 20

MM 508 Mathematical Biology and Marine Population

Modelling 5 20

MM 509 Mathematical Introduction to Networks 5 20

MM 511 Elasticity and Complex Materials 5 20

MM 512 Optimization: Theory and Practice 5 20

MM 513 Statistical Mechanics 5 20

MM 514 Dynamical Models in Epidemiology 5 20

MM 515 Topics in Applied Analysis 5 20

MM 516 Topics in Applied Statistics 5 20

MM 517 Topics in Applied Mathematics 5 20

MM 518 Topics in Numerical Analysis 5 20

MM 519 Topics in Biological and Ecological Modelling 5 20

\*\*\*Not all of these classes will be available every year.

Curriculum (Part-time study)

12.15.9 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

12.15.10 In order to progress to the second year of the course, a student must have accumulated at least 120 credits from the course curriculum, including those for the classes *MM 101 Introduction to Calculus* and *MM 102 Applications of Calculus*.

12.15.11 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum including 100 credits at Level 2 or above and those for the classes *MM201 Linear Algebra and Differential Equations* and *MM202 Advanced Calculus*.

12.15.12 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 120 credits at Level 3 or above.

12.15.13 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum including 120 credits at Level 4 or above.

Progress (Part-time study)

12.15.14 Students studying on a part-time basis must satisfy the appropriate progress requirements following each period of 120 credits.

Final Assessment and Classification

12.15.15 On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits under the class code *MM 500 Mathematics* or the class code *MM 510 Mathematics and Statistics*.

12.15.16 The final classification for the degree of MMath in Mathematics and MMath in Mathematics and Statistics will normally be based on the first assessed attempt at compulsory and specified optional classes at Levels 4 and 5 taken in the fourth and fifth years.

Award

12.15.17 **MMath**: In order to qualify for the award of the degree of MMath in Mathematics or MMath in Mathematics and Statistics*,* a candidate must have accumulated no fewer than 600 credits from the course curriculum.

Transfer

12.15.18 A student who fails to satisfy the progress or award requirements for the degree of MMath in Mathematics or MMath in Mathematics and Statistics may be transferred to the BSc with Honours in Mathematics or the BSc with Honours in Mathematics and Statistics.

12.16 (Numbers not used)

12.17 Department of Physics

Physics

MPhys in Physics

MPhys in Physics with Specialisation

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.17.1 The courses are at Integrated Masters level. Transfer to the BSc in Physics is possible at any time subject to satisfying the appropriate course regulations.

Mode of Study

* + 1. The courses are available by both full-time and part-time study.

Credit Transfer and Recognition of Prior Learning

12.17.3 Regulations 12.1.1 and 12.1.2 shall apply.

In addition, direct entry to year 4 of the course may be granted to applicants who possess

(i) a first cycle Bologna degree in Physics meeting an approved standard of performance with regard to level of study and academic attainment; or

(ii) a qualification deemed by the Head of Department (or nominee) to be equivalent to (i) above; and

(iii) an approved standard of performance in a recognised test in English as a foreign language.

Such applicants will be deemed to possess 360 credits.

Place of Study

12.17.4 The optional Industrial Placement, normally taken during the summer vacation following third year, is expected to be completed off campus.

Curriculum (Full-time study)

First Year

12.17.5 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

PH 150 Experimental Physics 1 20

PH 151 Mechanics, Optics and Waves 1 20

PH 152 Quantum Physics and Electromagnetism 1 20

Elective Class(es) 20

Second Year

12.17.6 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 211 Mathematics 3B 2 20

PH 250 Experimental Physics 2 20

PH 251 Mechanics, Optics and Waves 2 20

PH 252 Quantum Physics and Electromagnetism 2 20

PH 254 Computational Physics 2 20

PH 258 Condensed Matter Physics 2 10

PH 259 Gases and Liquids 2 10

Third Year

12.17.7 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 311 Mathematics 4B 3 20

PH 350 Experimental Physics 3 40

PH 352 Quantum Physics and Electromagnetism 3 20

PH 355 Physics Skills 3 20

PH 358 Condensed Matter Physics 3 10

PH 359 Statistical Physics 3 10

12.17.8 Students may, with the approval of the Adviser of Study, also undertake a project during the summer vacation following Third Year as follows:

Optional Class

PH 465 Industrial Project 4 20

Fourth Year

12.17.9 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 499 Physics\* 4 120

\**PH 499* Physics comprises

PH 450 Project 4 40

together with at least 60 credits chosen from:

PH 452 Topics in Physics 4 20

PH 453 Topics in Solid State Physics 4 20

PH 454 Topics in Nanoscience 4 20

PH 455 Topics in Photonics 4 20

PH 456 Topics in Complex Systems in Physics 4 20

PH 457 Topics in Theoretical Physics 4 20

PH 458 Topics in Quantum Physics 4 20

PH 459 Topics in Atomic, Molecular and Nuclear Physics 4 20

PH 462 Topics in Quantum Optics 4 20

Or other such classes as approved by the Adviser of Study to bring the total studied at Level 4 to at least 100 credits

12.17.10 Students may, with the approval of the Adviser of Study, also undertake a project during the summer vacation following Fourth Year as follows:

Optional Class

PH 465 Industrial Project 4 20

Fifth Year

12.17.11 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 599 Physics\* 5 120

\**PH 599* comprises

PH 550 Project 5 40

PH 551 Research Skills 5 20

together with 60 credits chosen from:

PH 552 Advanced Topics in Physics 5 20

PH 553 Advanced Topics in Solid State Physics 5 20

PH 554 Advanced Topics in Nanoscience 5 20

PH 555 Advanced Topics in Photonics 5 20

PH 556 Advanced Topics in Complex Systems 5 20

PH 557 Advanced Topics in Theoretical Physics 5 20

PH 558 Advanced Topics in Quantum Physics 5 20

PH 559 Advanced Topics in Nuclear Physics 5 20

PH 560 Advanced Topics in Electromagnetism

and Plasma Physics 5 20

or such other Level 5 classes as may be approved by the Adviser of Study

Curriculum (Part-time study)

12.17.12 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

12.17.13 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

12.17.14 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

12.17.15 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum.

12.17.16 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum.

Progress (Part-time study)

12.17.17 Part-time students must satisfy the appropriate progress requirements following each period of 120 credits.

Final Assessment and Classification

12.17.18 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *PH 499.*

12.17.19 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *PH 599.*

12.17.20 The final classification for the degree of MPhys will normally be based on:

(i) the first assessed attempt at compulsory and specified optional classes at Levels 4 and 5;

12.17.21 Notwithstanding Regulation 12.1.49 the degree in MPhys will be classified in accordance with Regulation 11.1.50.

Award

12.17.22 **MPhys**: In order to qualify for the award of the degree ofMPhys in Physics, a candidate must have accumulated no fewer than 600 credits from the course curriculum.

12.17.23 **MPhys with Specialisation:** In order to qualify for the award of the degree of MPhys in Physics with Specialisation in a given topic a candidate must have undertaken *PH 450 Project* and *PH 550 Project* in an area related to the specialisation. In addition to the requirements of Regulation 12.17.21, a candidate must have undertaken 40 credits at Level 4 and 40 credits at Level 5 in subjects related to the specialisation.

Transfer

12.17.24 A student who fails to satisfy the progress or award requirements for the degree of MPhys may be transferred to the degree of BSc with Honours in Physics.

12.25 to

12.45 (Numbers not used)

Physics

MPhys in Physics with Advanced Research

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.17.46 The courses are at Integrated Masters level. Transfer to the MPhys or the BSc in Physics is possible at any time subject to satisfying the appropriate course regulations.

Mode of Study

1. 17. 47 The courses are available by both full-time and part-time study.

Credit Transfer and Recognition of Prior Learning

12.17.48 Regulations 12.1.1 and 12.1.2 shall apply.

In addition, direct entry to year 4 of the course may be granted to applicants who possess

(i) a first cycle Bologna degree in Physics meeting an approved standard of performance with regard to level of study and academic attainment; or

(ii) a qualification deemed by the Head of Department (or nominee) to be equivalent to (i) above; and

(iii) an approved standard of performance in a recognised test in English as a foreign language.

Such applicants will be deemed to possess 360 credits.

Place of Study

12.17.49 The optional Industrial Placement, normally taken during the summer vacation following third year, is expected to be completed off campus.

Curriculum (Full-time study)

First Year

12.17.50 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 101 Introduction to Calculus 1 20

MM 102 Applications of Calculus 1 20

PH 150 Experimental Physics 1 20

PH 151 Mechanics, Optics and Waves 1 20

PH 152 Quantum Physics and Electromagnetism 1 20

Elective Class(es) 20

Second Year

12.17.51 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MM 201 Linear Algebra and Differential Equations 2 20

MM 202 Advanced Calculus 2 20

PH 250 Experimental Physics 2 20

PH 271 Mechanics, Optics and Waves 2 20

PH 272 Quantum Physics and Electromagnetism 2 20

PH 278 Condensed Matter Physics 2 10

PH 279 Gases and Liquids 2 10

Third Year

12.17.52 All full-time students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

MM 300 Complex Variables and Integral Transforms 3 20

MM 302 Differential Equations 3 20

PH 350 Experimental Physics 3 40

PH 372 Quantum Physics and Electromagnetism 3 20

PH 378 Condensed Matter Physics 3 10

PH 379 Statistical Physics 3 10

12.17.53 Students may, with the approval of the Adviser of Study, also undertake a project during the summer vacation following Third Year as follows:

Optional Class

PH 465 Industrial Project 4 20

Fourth Year

12.17.54 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

PH 498 Physics with research specialisation\* 4 120

\**PH 498* Physics comprises

PH 450 Project 4 40

PH 551 Physics Skills 5 20

together with 60 credits chosen from:

PH 452 Topics in Physics 4 20

PH 453 Topics in Solid State Physics 4 20

PH 454 Topics in Nanoscience 4 20

PH 455 Topics in Photonics 4 20

PH 456 Topics in Computational and Complex Systems in

Physics 4 20

PH 457 Topics in Theoretical Physics 4 20

PH 458 Topics in Quantum Physics 4 20

PH 459 Topics in Atomic, Molecular and Nuclear Physics 4 20

PH 460 Topics in Quantum Optics 4 20

12.17.55 Students may, with the approval of the Adviser of Study, also undertake a project during the summer vacation following Fourth Year as follows:

Optional Class

*If not already taken*

PH 465 Industrial Project 4 20

Fifth Year

12.17.56 All full-time students shall undertake classes amounting to 160 credits as follows:

Compulsory Classes Level Credits

PH 598 Physics\* 5 160

\**PH 598* comprises

PH 570 Project 5 100

together with 60 credits chosen from:

PH 552 Advanced Topics in Physics 5 20

PH 553 Advanced Topics in Solid State Physics 5 20

PH 554 Advanced Topics in Nanoscience 5 20

PH 555 Advanced Topics in Photonics 5 20

PH 556 Advanced Topics in Complex Systems in Physics 5 20

PH 557 Advanced Topics in Theoretical Physics 5 20

PH 558 Advanced Topics in Quantum Physics 5 20

PH 560 Advanced Electromagnetism and Plasma Physics 5 20

Progress

12.17.57 In order to progress to the second year of the course, a student must have accumulated 120 credits from the course curriculum.

12.17.58 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum.

12.17.59 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum.

12.17.60 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum.

Final Assessment and Classification

12.17.61 On successful completion of the fourth year, a candidate will be awarded 120 Level 4 credits under the class code *PH 498.*

12.17.62 On successful completion of the fifth year, a candidate will be awarded 160 Level 4 credits under the class code *PH 598.*

12.17.63 The final classification for the degree of MPhys with Advanced Research will normally be based on:

(i) the first assessed attempt at compulsory and specified optional classes at Levels 4 and 5;

(ii) if appropriate, an oral examination.

12.17.64 Notwithstanding Regulation 12.1.49 the degree in MPhys with Advanced Research will be classified in accordance with Regulation 11.1.50.

Award

12.17.65 **MPhys with** Advanced Research: In order to qualify for the award of the degree ofMPhys with Advanced Research in Physics, a candidate must have accumulated no fewer than 640 credits from the course curriculum.

Transfer

12.17.66 A student who fails to satisfy the progress or award requirements for the degree of MPhys with Advanced Researchmay be transferred to the degree of MPhys or BSc with Honours in Physics or BSc in Physics.

12.22 Strathclyde Institute of Pharmacy and Biomedical Sciences

Pharmacy

MPharm in Pharmacy (Original course pre 2014/2015)

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of Degree

12.22.1 The course is offered at Integrated Masters level. Transfer to the BSc in Pharmaceutical Sciences may be possible at any time subject to satisfying the appropriate progress regulations. The MPharm is normally completed in four years. This degree is also undertaken in an accelerated format (3.5 years) by certain students from the International Medical University (IMU) in Malaysia under a collaborative agreement between the University of Strathclyde and IMU.

Place of Study

12.22.2 The course includes time undertaken in a clinical attachment scheme at associated hospitals for which students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update.

Mode of Study

12.22.3The course is normally available by full-time study only.

Curriculum

First Year

12.22.4 All students shall undertake classes amounting to 150 credits as follows:

Compulsory Classes Level Credits

13 163 Foundation Chemistry for Pharmacists 1 20

MM 110 Mathematics 1P 1 10

MP 100 Foundation Pharmacy 1 20

MP 117 Molecular Properties 1 20

MP 207 Physiology 1 2 20

MP 208 Physiology 2 2 20

MP 210 Physiology 3 2 20

Elective Class(es) 20

Second Year

12.22.5 All students shall undertake classes amounting to 150 credits as follows:

Compulsory Classes Level Credits

MP 201 Health Promotion 2 20

MP 202 Pharmaceutical Microbiology 2 20

MP 216 Medicinal Chemistry 2 20

MP 217 Pharmaceutics 2 20

MP 304 Drugs and Disease 2 3 10

MP 308 Fundamentals of Pharmacology 3 20

MP 309 Drugs and Disease 1 3 20

MP 310 Pharmacy Practice 1 3 20

Third Year

12.22.6 All students shall undertake classes amounting to 150 credits as follows:

Compulsory Classes Level Credits

MP 300 Pharmacy Practice 2 3 20

MP 317 Clinical Pharmacokinetics 3 20

MP 319 Absorption & Fate 3 20

MP 411 Drugs and Disease 3 4 20

MP 412 Research Methods 4 10

MP 414 Medicines Manufacture & Quality Control 1 4 20

MP 415 Medicines Manufacture & Quality Control 2 4 20

MP 510 Pharmacy Practice 3 4 20

Fourth Year

12.22.7 All students shall undertake classes amounting to 150 credits as follows:

Compulsory Classes Level Credits

MP 403 Drug Delivery Systems 4 10

MP 507 Research Project 5 40

MP 508 Pharmaceutical Care\* 5 40

MP 509 Clinical Pharmacology and Prescribing 5 20

MP 520 Being a Pharmacist 4 5 40

\* *MP 508 Pharmaceutical Care* includes some 34 hours undertaken in a clinical attachment scheme.

Progress

12.22.8 In order to progress to the second year of the course, a student must have accumulated at least 130 credits from the course curriculum including those for the classes *13 163 Foundation Chemistry for Pharmacists, MP 100 Foundation Pharmacy, MP 103 Molecular Properties, MP 207 Physiology 1, MP 208 Physiology 2* *and MP 210 Physiology 3*.

12.22.9 In order to progress to the third year of the course, a student must have accumulated at least 280 credits from the course curriculum including those for all the compulsory classes.

12.22.10 In order to progress to the fourth year of the course, a student must have accumulated at least 450 credits from the course curriculum including those for all the compulsory classes.

Final Classification

12.22.11 The final classification for the degree of MPharmwill normally be based on:

(i) the first assessed attempt at classes at levels four and five;

(ii) if appropriate, an oral examination.

Award

12.22.12 **MPharm:** In order to qualify for the award of the degree of MPharm in Pharmacy, a student must have accumulated no fewer than 600 credits from the course curriculum.

Transfer

12.22.13 A student who fails to satisfy the progress or award requirements for the degree of MPharm in Pharmacy may be transferred to the degree of BSc in Pharmaceutical Sciences.

12.22.14 to

12.22.24 (Number not used)

MPharm in Pharmacy (Course with effect from 2014/15)

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

12.22.25 **Admission**

Admission to the course shall normally be into Second Year. Students will be awarded RPL equivalent to 120 credits at Level 1.

Status of Degree

12.22.26 The course is offered at Integrated Masters level. Transfer to the BSc in Pharmaceutical Sciences may be possible at any time subject to satisfying the appropriate progress regulations. The MPharm is normally completed in four years (years 2 – 4). This degree is also undertaken in an accelerated format (3.5 years) by certain students from the International Medical University (IMU) in Malaysia under a collaborative agreement between the University of Strathclyde and IMU.

Place of Study

12.22.27 The course includes time undertaken in experiential learning sites including NHS hospitals and community pharmacies for which students shall require a valid Protecting Vulnerable Groups Certificate from Disclosure Scotland.

Mode of Study

12.22.28The course is normally available by full-time study only.

Curriculum

12.22.29 First Year

All students shall undertake classes amounting to 120 credits as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Compulsory Classes | | Level | Credits |
| BM 108 | Foundation Biomolecular Science: 2  Organisms and Disease | 1 | 20 |
| BM 109 | Foundation and Biomolecular Sciences:  Cells and their Molecules | 1 | 20 |
| BM 110 | Being a Biomolecular Scientist 1 | 1 | 40 |
|  |  |  |  |
| CH 112 | Bio-Organic Chemistry | 1 | 20 |
| Elective classes | |  | 20 |
|  |  |  |  |

Second Year

12.22.30 All students shall undertake classes amounting to 120 credits as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Compulsory Classes | | Level | Credits |
| MP 221 | Normal function of the gastrointestinal tract | 2 | 20 |
| MP 222 | Normal function of the cardiovascular and respiratory systems | 2 | 20 |
| MP 223 | Normal function of the central nervous and endocrine systems | 2 | 20 |
| MP 224 | Normal function of the renal and hepatic systems | 2 | 20 |
| MP 220 | Being a pharmacist 1 | 2 | 40 |

Third Year

12.22.31 All students shall undertake classes amounting to 120 credits as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Compulsory Classes | | Level | Credits |
| MP 321 | Management of infection and infectious diseasesditions | 3 | 20 |
| MP 322 | Management of gastrointestinal and endocrine conditions | 3 | 20 |
| MP 323 | Management of cardiovascular conditions | 3 | 20 |
| MP 324 | Management of respiratory and inflammatory conditions | 3 | 20 |
| MP 320 | Being a pharmacist 2 | 3 | 40 |

Fourth Year

12.22.32 All students shall undertake classes amounting to 120 credits as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Compulsory Classes | | Level | Credits |
| MP 421 | Management of malignancy and inflammatory conditions | 4 | 20 |
| MP 422 | Management of central nervous system conditions | 4 | 20 |
| MP 423 | Management of patients with co-morbidities | 4 | 40 |
| MP 420 | Being a pharmacist 3 | 4 | 40 |

Fifth Year

12.22.33 All students shall undertake classes amounting to 120 credits as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Compulsory Classes | | Level | Credits |
| MP 507 | Research Project | 5 | 40 |
| MP 521 | Evidence based medicine | 5 | 40 |
| MP 520 | Being a pharmacist 4 | 5 | 40 |

Progress

12.22.34 In order to progress to the second year of the course, a student must normally have accumulated 120 credits.

12.22.34 In order to progress to the third year of the course, a student must normally have accumulated 240 credits including those for all the compulsory classes.

12.22.36 In order to progress to the fourth year of the course, a student must normally have accumulated 360 credits including those for all the compulsory classes.

12.22.37 In order to progress to the fifth year of the course, a student must normally have accumulated at least 480 credits including those for all the compulsory classes

Final Classification

12.22.38 The final classification for the degree of MPharmwill normally be based on the first assessed attempt at classes at levels four and five.

Award

12.22.39 **MPharm:** In order to qualify for the award of the degree of MPharm in Pharmacy, a student must have accumulated no fewer than 600 credits including 480 from the course curriculum.

Transfer

12.22.40 A student who fails to satisfy the progress or award requirements for the degree of MPharm in Pharmacy may be transferred to the degree of BSc in Pharmaceutical Sciences.

12.22.41 to

12.22.61 (Number not used.)

Regulations applicable for students entering the Collaborative Programme from December 2007 onwards.

Collaborative Programme

12.22.62 The degree of MPharm in Pharmacy is also offered on a twinning basis in conjunction with International Medical University, Malaysia (IMU). The study pathway will follow one of two routes hereafter referred to as the ‘2+2’ and ‘standard collaborative’ options. The material pertaining to the first and second years of study is arranged on a semester basis as detailed in Regulations 12.22.17 to 12.22.19 and not as given in Regulations 12.22.4 to 12.22.5. For students following the Standard Collaborative Option, the material pertaining to the third year of study is arranged on a semester basis as detailed in Regulations 12.22.20 to 12.22.22 rather than as given in Regulation 12.22.6. For students following the 2+2 Option, the material pertaining to the third year of study is given in Regulation 12.22.6

IMU classes are equivalent to those offered within the University. The code for the relevant University class is shown in brackets in the title of the equivalent class.

In the case of students on the Standard Collaborative Programme, semesters 1 - 5 will be taught at the International Medical University.

In the case of students on the 2+2 Collaborative Programme, semesters 1 – 4 will be taught at the International Medical University.

Collaborative Programme - Semester One

12.22.63 All classes are given and examined at the International Medical University, Malaysia, in the period December to April. All students shall undertake classes amounting to 70 credits as follows:

Compulsory Classes Level Credits

MC 100 Mathematics 1P (MM 110) 1 10

MC 104 Foundation Chemistry for Pharmacists (13 163) 1 20

MC 204 Physiology 2 (MP 208) 2 20

MC 209 Physiology 1 (MP 207) 2 20

Collaborative Programme - Semester Two

12.22.64 All classes are given and examined at the International Medical University, Malaysia, in the period May to September. All students shall undertake classes amounting to 60 credits as follows:

Compulsory Classes Level Credits

MC 115 Foundation Pharmacy (MP 100) 1 20

MC 117 Molecular Properties (MP 103) 1 20

MP 210 Physiology 3 2 20

Collaborative Programme - Semester Three

12.22.65 All classes are given and examined at the International Medical University, Malaysia, in the period October to March. All students shall undertake classes amounting to 80 credits as follows:

Compulsory Classes Level Credits

MC 214 Pharmaceutical Microbiology (MP 202) 2 20

MC 216 Medicinal Chemistry (MP 204) 2 20

MC 217 Pharmaceutics (MP 200) 2 20

MC 300 Fundamentals of Pharmacology (MP 308) 3 20

Collaborative Programme - Semester Four

12.22.66 All classes are given and examined at the International Medical University, Malaysia, in the period April to August. All students shall undertake classes amounting to 90 credits as follows:

Compulsory Classes Level Credits

MC 215 Health Promotion (MP 201) 2 20

MC 305 Drugs and Disease 1 (MP 309) 3 20

MC 311 Pharmacy Practice 1 (MP 310) 3 20

MC 318 Drugs and Disease 2 (MP) 304) 3 10

MC 118 MPU Malayian 1 20

Standard Collaborative Programme - Semester Five

12.22.67 All classes are given and examined at the International Medical University, Malaysia, in the period November to May. All students shall undertake classes amounting to 90 credits as follows:

Compulsory Classes Level Credits

MC 314 Pharmacy Practice 2 (MP 300) 3 20

MC 317 Clinical Pharmacokinetics (MP 305) 3 20

MC 319 Absorption and Fate (MP319) 3 20

MC 411 Drugs and Disease 3 (MP 411) 4 20

MC 412 Research Methods (MP 412) 4 10

Standard Collaborative Programme – Semester Six

12.22.68 All classes are given and examined at the University of Strathclyde, in the period June to September. All students shall undertake classes amounting to 60 credits as follows:

Compulsory Classes Level Credits

MC 414 Medicines Manufacture & Quality Control 1

(MP 408) 4 20

MC 415 Medicines Manufacture & Quality Control 2

(MP 409) 4 20

MC 416 Pharmacy Practice 3 4 20

2+2 Collaborative Programme – Third Year

12.22.69 All students shall undertake classes amounting to no fewer than 120 credits as detailed in Regulation 12.22.7. All classes are given and examined at the University of Strathclyde, in the period September to June.

Collaborative Programme - Final Year

12.22.70 All students shall undertake classes amounting to no fewer than 120 credits as detailed in Regulation 12.22.8.

All classes are given and examined at the University of Strathclyde, in the period September to June.

Collaborative Programme - Progress

12.22.71 In order to progress to semester two, a student must have accumulated at least 70 credits from the course curriculum.

12.22.72 In order to progress to semester three, a student must have accumulated at least 130 credits from the course curriculum including those for all classes from semester one.

12.22.73 In order to progress to semester four, a student must have accumulated at least 210 credits from the course curriculum including those for all classes from semester two.

12.22.74 In order to progress to semester five, a student following the Standard Collaborative Option must have obtained at least 300 credits from the course curriculum including those for all classes from semester three.

12.22.75 In order to progress to semester six, a student following the Standard Collaborative Option must have obtained 390 credits from the course curriculum.

12.22.76 In order to progress to the third year of the course, a student following the 2+2 Option must have obtained 300 credits from the course curriculum

12.22.77 In order to progress to the final year of the course a student must normally have accumulated 360 credits from the course curriculum and achieved an approved standard of performance.

Collaborative Programme - Award

12.22.78 See Regulation 12.22.12.

12.22.79

to 12.22.99 Numbers not used

MSci in Pharmacy

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of Degree

12.22.100 The course is offered at Integrated Masters level. The degree is undertaken in an articulated and accelerated format (4.5 years) by certain students from an approved overseas academic institution with which the University of Strathclyde has an appropriate Memorandum of Agreement.

Place of Study

12.22.101 The first seven semesters of study will be undertaken at the approved overseas institution. The final three semesters of study including a summer semester will be undertaken at Strathclyde

Mode of Study

12.22.102 The course is normally available by full-time study only.

Curriculum

First Year

12.22.103 All students shall undertake all classes at the overseas institution which constitute the first year of the approved and recognised curriculum which is at least equivalent to 120 credits at Level 1.

Second Year

12.22.104 All students shall undertake all classes at the overseas institution which constitute the second year of the approved and recognised curriculum which is at least equivalent to 120 credits at Level 2.

Third Year

12.22.105 All students shall undertake all classes at the overseas institution which constitute the third year of the approved and recognised curriculum at least equivalent to 120 credits at Level 3

**Fourth Year**

12.22.106 All students shall undertake classes which constitute the fourth year of the approved and recognized curriculum at least equivalent to 120 credits at Level 4.

In addition, all students shall undertake classes at Strathclyde amounting to 60 credits as follows:

Compulsory Class Level Credits

XX xxx General Academic English 4 20

MP 512 Principles of Pharmaceutical Care 5 20

MP 5XP Topics in Pharmacy Practice and Therapeutics 5 20

Summer Semester

12.22.107 All students shall undertake classes amounting to 40 credits as follows:

Compulsory Class Level Credits

MP 507 Research Project 5 40

**Final Semester**

12.22.108 All students shall undertake classes amounting to 40 credits as follows:

MP 511 Bench to Bedside 5 40

Progress

12.22.109 In order to progress to the second year of the course, a student must have passed all first year classes at the approved overseas institution.

12.22.110 In order to progress to the third year of the course, a student must have passed all second year classes at the approved overseas institution.

12.22.111 In order to progress to the fourth year of the course, a student must have passed all third year classes at the approved overseas institution

12.22.112 In order to progress to the Strathclyde Summer Semester of the course, a student must have passed all fourth year classes at the approved overseas institution and at the University of Strathclyde.

12.22.113 In order to progress to the final semester of the course, a student must have passed the Strathclyde Summer Semester project class

Final Classification

12.22.114 The final classification for the degree of MSci in Pharmacy will normally be based on the first assessed attempt at classes at levels four and five.

Award

12.22.115 **MSci in Pharmacy:** In order to qualify for the award of the degree of MSci in Pharmacy, a candidate must have accumulated no fewer than 600 credits from the course curriculum.

Transfer

12.22.116 A student who fails to satisfy the progress or award requirements for the degree of MSci in Pharmacy may be transferred to the degree of BSc in Pharmaceutical Sciences.

12.22.117 to

12.22.137 (number not used)

Biomedical Sciences (Original Course pre 2016/17)

MSci in Biochemistry

MSci in Immunology

MSci in Microbiology

MSci in Pharmacology

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.22.138 The courses are at Integrated Masters level. Students may transfer into the MSci from a relevant BSc subject to satisfying the progress regulations. Transfer to a relevant BSc degree is possible at any time, subject to satisfying the appropriate progress regulations.

Mode of Study

12.22.139The courses are available by both full-time and part-time study.

Curriculum (Full-time study)

First Year

12.22.140 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 101 Foundation Bioscience and Statistics 1 20

BM 102 Molecular Bioscience 1 20

BM 103 Biology of Organisms 1 20

BM 104 Practical Bioscience and Skills Development 1 1 20

CH 105 Chemistry for Bioscience 1 20

Elective Class(es) 20

Second Year

12.22.141 All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM 201 Introduction to Infection and Immunity 2 20

BM 202 Nutritional Biochemistry and Metabolism 2 20

BM 203 Cell and Molecular Biology 2 20

BM 204 Practical Bioscience and Skills Development 2 2 20

BM 205 Human Physiology 2 20

CH 201 Bio-organic Chemistry 2 20

Third Year

12.22.142 All full-time students shall undertake classes amounting to 120 credits:

Compulsory Classes Level Credits

BM 310 Laboratory Methods and Skills Development 3 40

together with classes appropriate to the chosen course:

*Biochemistry*

Compulsory Classes

BM 305 Clinical Biochemistry and Molecular Genetics 3 20

BM 306 Proteins and Enzymes 3 20

*Immunology*

Compulsory Classes

BM 301 Fundamental Immunology 3 20

BM 302 Intermediate Immunology 3 20

*Microbiology*

Compulsory Classes

BM 303 Fundamental Microbiology 3 20

BM 304 Intermediate Microbiology 3 20

*Pharmacology*

Compulsory Classes

BM 307 Fundamentals of Pharmacology 3 20

BM 308 Drugs and Disease 1 3 20

Optional Classes

A further 40 credits in one subject from the classes listed in this regulation

Fourth Year

12.22.143 All full-time students shall undertake classes amounting to 120 credits choosing two subject combinations from the following:

Compulsory Classes Level Credits

BM 401 Research in Biomedical Science 4 40

together with classes appropriate to the chosen course:

*Biochemistry*

Compulsory Classes

BM 406 Honours Biochemistry 1 4 20

BM 407 Honours Biochemistry 2 4 20

Immunology

Compulsory Classes

BM 402 Honours Immunology 1 4 20

BM 403 Honours Immunology 2 4 20

*Microbiology*

Compulsory Classes

BM 404 Honours Microbiology 1 4 20

BM 405 Honours Microbiology 2 4 20

*Pharmacology*

Compulsory Classes

BM 408 Honours Pharmacology 1 4 20

BM 409 Honours Pharmacology 2 4 20

Optional Classes

A further 40 credits in one subject from the classes listed in this regulation

Fifth Year

12.22.144 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

*Biochemistry*

BM 503 MSci in Biochemistry 5 120

*Immunology*

BM 502 MSci in Immunology 5 120

*Microbiology*

BM 504 MSci in Microbiology 5 120

*Pharmacology*

BM 501 MSci in Pharmacology 5 120

Each of the above classes comprises:

Compulsory Classes

MP 931 Generic Biomedical and Pharmaceutical 5 20

Research Skills

together with the class appropriate to the chosen course:

*Biochemistry*

BM 505 MSci Biochemistry Project and Thesis 5 80

BM 509 Research Topics in Biochemistry 5 20

*Immunology*

BM 506 MSci Immunology Project and Thesis 5 80

BM 510 Research Topics in Immunology 5 20

*Microbiology*

BM 507 MSci Microbiology Project and Thesis 5 80

BM 511 Research Topics in Microbiology 5 20

*Pharmacology*

BM 508 MSci Pharmacology Project and Thesis 5 80

BM 512 Research Topics in Pharmacology 5 20

Curriculum (Part-time study)

12.22.145 In each academic year, a student studying on a part-time basis shall normally undertake a curriculum of no fewer than 60 credits chosen from the appropriate full-time curriculum.

Progress (Full-time study)

12.22.146 In order to progress to the second year of the course, a student must normally have accumulated at least 100 credits from the course curriculum including no fewer than 80 credits from the first year compulsory classes.

12.22.147 In order to progress to the third year of the course, a student must normally have accumulated at least 240 credits from the course curriculum includingno fewer than 120 credits from the second year compulsory classes.

12.22.148 In order to progress to the fourth year of the course, a student must normally have accumulated at least 360 credits from the course curriculum including no fewer than 120 credits from the third year curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

12.22.149 In order to progress to the fifth year of the course, a student must normally have accumulated at least 480 credits from the course curriculum including no fewer than 120 credits from the fourth year curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

Progress (Part-time study)

12.22.150 In order to progress to the next full-time equivalent year of the course, a part-time student must normally satisfy the appropriate progress requirements for full-time study.

12.22.151 In any one academic year, a part-time student shall not normally carry more than 20 outstanding credits from one academic year to the next.

Final Assessment and Degree Classification

12.22.152 On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits under the class code BM501, BM502, BM503 or BM504 as appropriate.

12.22.153 The final classification will normally be based on the first assessed attempt at compulsory and specified optional classes in the third, fourth and fifth years.

Award

12.22.154 **MSci:** In order to qualify for the award of the degree of MSc in the chosen course, a candidate must have accumulated no fewer than 600 credits from the course curriculum.

**Transfer**

12.22.155 A student who fails to satisfy the progress or award requirements for the degree of MSci may be transferred to the BSc with Honours in an appropriate Joint Honours combination of subjects based on 3rd and 4th Year options.

12.23.156 to

12.23.176 (number not used)

**Biomedical Sciences (with effect from 2016/17)**

**MSci in Biochemistry**

**MSci in Immunology**

**MSci in Microbiology**

**MSci in Pharmacology**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 12.1]

12.22.177 **Status of the Courses**

The courses are at Integrated Masters level. Students may transfer into the MSci from a relevant BSc subject to satisfying the progress regulations. Transfer to a relevant BSc degree is possible at any time, subject to satisfying the appropriate progress regulations.

12.22.178 **Mode of Study**

The courses are available by both full-time and part-time study.

**Curriculum (Full-time study)**

12.22.179 **First Year**All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM110 Being a Biomolecular Scientist 1 1 40

BM109 Foundation Biomolecular Sciences:

Cells and their Molecules 1 20

CH112 Bio-Organic Chemistry 1 20

BM108 Foundation Biomolecular Science 2:

Organisms and Disease 1 20

Elective (Classes) 1 20

12.22.180 **Second Year**

All full-time students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BM214 Being a Biomolecular Scientist 2 2 40

BM212 Introduction to Immunology 2 20

BM210 Introduction to Biochemistry 2 20

BM213 Introduction to Pharmacology 2 20

BM211 Introduction to Microbiology 2 20

12.22.181 **Third Year**

All full-time students shall undertake classes amounting to 120 credits:

Compulsory Class

Level Credits

BM327 Being a Biomolecular Scientist 3 3 40

together with classes appropriate to the chosen course:

*Biochemistry*

Compulsory Classes  
BM326 Fundamental Biochemistry 3 20

BM321 Biomedical Biochemistry 3 20

*Immunology*

Compulsory Classes  
BM325 Fundamental Immunology 3 20

BM323 Biomedical Immunology 3 20

*Microbiology*

Compulsory Classes  
BM330 Fundamental Microbiology 3 20

BM329 Biomedical Microbiology 3 20

*Pharmacology*

Compulsory Classes  
BM324 Fundamental Pharmacology 3 20

BM322 Biomedical Pharmacology 3 20

Optional classes

A further 40 credits from the classes listed in this regulation

12.22.182 **Fourth Year**

All full-time students shall undertake classes amounting to 120 credits choosing two subject combinations from the following:

Compulsory Classes  
BM432 Being a Biomolecular Scientist 4 4 40

together with classes appropriate to the chosen course:

*Biochemistry*

Compulsory Classes   
BM430 Advanced Biochemistry 4 20

20 credits from the following classes

BM423 Clinical Biochemistry 4 20

BM431 Applied Biochemistry 4 20

*Immunology*Compulsory Classes  
BM427 Advanced Immunology 4 20

20 credits from the following classes

BM426 Clinical Immunology 4 20

BM433 Applied Immunology 4 20

*Microbiology*

Compulsory Classes  
BM425 Advanced Microbiology 4 20

20 credits from the following classes

BM424 Clinical Microbiology 4 20

BM435 Applied Microbiology 4 20

*Pharmacology*

Compulsory Classes  
BM429 Advanced Pharmacology 4 20

20 credits from the following classes

BM434 Clinical Pharmacology 4 20

BM428 Applied Pharmacology 4 20

Optional Classes  
A further 40 credits in one subject from the classes listed in this regulation

12.22.183 **Fifth Year**

All students shall undertake classes amounting to 120 credits as follows:

Compulsory Class Level Credits

*Biochemistry*

BM 503 MSci in Biochemistry 5 120

*Immunology*

BM 502 MSci in Immunology 5 120

*Microbiology*

BM 504 MSci in Microbiology 5 120

*Pharmacology*

BM 501 MSci in Pharmacology 5 120

Each of the above classes comprises

Compulsory Classes

MP931 Generic Biomedical and Pharmaceutical Research Skills

5 20

together with the class appropriate to the chosen course:

*Biochemistry*

BM505 MSci Biochemistry Project and Thesis 5 80

BM509 Research Topics in Biochemistry 5 20

*Immunology*

BM506 MSci Immunology Project and Thesis 5 80

BM510 Research Topics in Immunology 5 20

*Microbiology*

BM507 MSci Microbiology Project and Thesis 5 80

BM510 Research Topics in Microbiology 5 29

*Pharmacology*

BM508 MSci Pharmacology Project and Thesis 5 80

BM512 Research Topics in Pharmacology 5 20

12.22.184 **Curriculum (Part-time study)**

In each academic year, a student studying on a part-time basis shall normally undertake a curriculum of no fewer than 60 credits chosen from the appropriate full-time curriculum.

12.22.185 **Progress (Full-time study)**

In order to progress to the second year of the course, a student must normally have accumulated at least 100 credits from the course curriculum including no fewer than 80 credits from the first year compulsory classes.  
In order to progress to the third year of the course, a student must normally have accumulated at least 240 credits from the course curriculum including no fewer than 120 credits from the second year compulsory classes.

In order to progress to the fourth year of the course, a student must normally have accumulated at least 360 credits from the course curriculum including no fewer than 120 credits from the third year curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

In order to progress to the fifth year of the course, a student must normally have accumulated at least 480 credits from the course curriculum including no fewer than 120 credits from the fourth year curriculum. In addition, a student must have achieved an approved standard of performance with regard to level of study and academic attainment.

12.22.186 **Progress (Part-time study)**

In order to progress to the next full-time equivalent year of the course, a part- time student must normally satisfy the appropriate progress requirements for full-time study.  
In any one academic year, a part-time student shall not normally carry more than 20 outstanding credits from one academic year to the next.

12.22.187 **Final Assessment and Degree Classification**

On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits under the class code BM501, BM502, BM503 or BM504 as appropriate.  
The final classification will normally be based on the first assessed attempt at compulsory and specified optional classes in the third, fourth and fifth years.

**Award**

12.22.188 **MSci:** In order to qualify for the award of the degree of MSc in the chosen course, a candidate must have accumulated no fewer than 600 credits from the course curriculum.

12.22.189 **Transfer**

A student who fails to satisfy the progress or award requirements for the degree of MSci may be transferred to the BSc with Honours in an appropriate Joint Honours combination of subjects based on 3rd and 4th Year options.

12.22.190 to

12.22.191 (numbers not used)

12.29 Faculties of Science and Humanities and Social Sciences: Joint Courses

Chemistry with Teaching

MChem in Chemistry with Teaching

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Degree

12.29.1 The course is at Integrated Masters level. Transfer to the BSc degree is possible at any time, subject to satisfying the appropriate progress regulations. Transfer to the BSc with Honours in Chemistry with Teaching**,** the BSc in Chemistry with Teaching or the BSc with Honours in Chemistry is possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

12.29.2 The course is available by both full-time and part-time study.

Place of Study

12.29.3 The School Experience classes will involve placements in schools. To be eligible to undertake School Experience, a student must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update by the end of the third year.

Curriculum (Full-time study)

First Year

12.29.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry: Principles and Practice 2 1 20

CH 108 Practical and Transferable Skills 1 20

MM 116 Mathematics 1C 1 20

either

PH 151 Mechanics, Optics and Waves\* 1 20

or

BM 109 Cells and Their Molecules 1 20

\* or other approved classes in Physics

Elective Classes 20

Second Year

12.29.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH202 Inorganic Chemistry 2 20

CH 205 Practical Physical and Applied Chemistry 2 20

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physical Chemistry 1 2 20

CH 213 Forensic Trace Analysis and Analytical Chemistry 2 20

CH 214 Practical Organic and Inorganic Chemistry 2 20

Third Year

12.29.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 309 Physical Chemistry 2 3 20

CH 313 Practical Physical, Applied, Forensic and

Analytical Chemistry 3 20

CH 315 Practical Organic and Inorganic Chemistry 3 20

CH 325 Intermediate Organic Chemistry and Spectroscopy3 20

CH 326 Inorganic Chemistry, Structures and Spectroscopy3 20

20 credits including chosen from:

CH 316 Analytical Chemistry and Drugs of Abuse 3 20

or

CH 323 Chemical Biology 3 20

Students can only choose CH 323 if they already have BM 109 Cells and Their Molecules

Fourth Year

12.29.7 All students shall normally undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

CH 458 Distance Learning Assignment 4 20

X3 401 Professional Specialisation 1 4 10

X3 402 Educational Perspectives and Policy 1 4 20

X3 403 Creative Contexts for Learning Chemistry

With Science 1 4 40

X3 404 Placement Learning 4 40

X3 405 Principles and Policy in Practice 1 4 10

Fifth Year

12.29.8 All students shall undertake classes amounting to 120 credits:

Compulsory Classes Level Credits

CH 575 Classes leading to the MChem in Chemistry

with Teaching 5 120

The above class comprises:

CH 552 Core Chemistry 5 40

CH 553 Chemistry Specialisation 5 40

CH 569 MChem Project and Dissertation 5 40

Curriculum (Part-time study)

12.29.9 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

12.29.10 In order to progress to the second year of the course a student must have accumulated at least 100 credits from the course curriculum including those for the classes *CH 106 Chemistry: Principles and Practice 1, CH 107 Chemistry: Principles and Practice 2, CH 108 Practical and Transferable Skills* and *MM 116 Mathematics* *1C.*

12.29.11 In order to progress to the third year of the course, a student must have accumulated at least 240 credits including 120 Level 2 credits from Chemistry classes in the second year curriculum.

12.29.12 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum including at least 60 Level 3 credits from third year Chemistry classes.

12.29.13 In order to progress to the fifth year of the course, a student must normally have accumulated no fewer than 480 credits from the course curriculum.

Final Assessment

12.29.14 On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits under the class code *CH 575.*

12.29.15 The final classification for the degree of MChem will be based on the first assessed attempt at compulsory and specified optional classes taken in the third, fourth and fifth years.

Award

12.29.16 **MChem**: In order to qualify for the award of the degree of MChem in Chemistry with Teaching,a candidate must have accumulated no fewer than 600 credits from the course curriculum including the credits for all the compulsory Education classes taken individually.

12.29.17 Notwithstanding Regulation 12.1.49, the degree will be classified in accordance with Regulation 11.1.50.

Transfer

12.29.18 A student who fails to satisfy the progress or award requirements for the degree of MChem may be transferred to the BSc with Honours in Chemistry with Teaching, the BSc in Chemistry with Teaching or the BSc with Honours in Chemistry, provided the appropriate progress regulations are satisfied.

12.30 Faculties of Science and Engineering: Joint Courses

Computer and Electronic Systems

MEng in Computer and Electronic Systems

MEng in Computer and Electronic Systems with International Study

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.30.1 The course is at Integrated Masters level. Transfer to the BEng degree in Computer and Electronic Systems is possible at any time subject to satisfying the appropriate progress regulations.

Mode of Study

12.30.2The course is available by full-time study only.

12.30.3 **Place of Study**

The MEng in Computer and Electronic Systems with International Study requires study at an approved institution abroad. Such study will normally extend over a minimum period of 30 weeks. Subject to availability of an approved curriculum (including any project), study abroad can be undertaken during third, fourth or fifth years of the course. Study abroad may comprise two exchanges with different institutions of one semester each, not necessarily during the same year.

Curriculum

First Year

12.30.4 All students shall undertake classes amounting to no fewer than 140 credits as follows:

Compulsory Classes Level Credits

56 110 Engineering Industry and Profession 1 10

CS 103 Machines, Languages and Computation 1 20

CS 105 Programming Foundations 1 20

CS 107 Fundamentals of Computer Systems 1 10

EE 105 Electronic and Electrical Techniques

and Design 1 1 20

EE 107 Electronic and Electrical Principles 1 1 20

MM 113 Engineering Mathematics 1E 1 20

MM 114 Engineering Mathematics 2E 1 20

Second Year

12.30.5 All students shall undertake classes amounting to no fewer than 130 credits as follows:

Compulsory Classes Level Credits

56 213 Engineering Design and Manufacture 2 10

CS 207 Advanced Programming 2 20

CS 210 Computer Systems and Architecture 2 20

EE 269 Electronic and Electrical Principles 2 2 20

EE 270 Digital Electronic Systems 2 20

MM 213 Engineering Mathematics 3E 2 20

Optional Classes

20 credits chosen from:

CS 208 Logic and Algorithms 2 20

PH 260 Physical Electronics 2 10

19207 Electromagnatism 2 10

Third Year

12.30.6 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Compulsory Classes Level Credits

CS 308 Building Software Systems 3 20

CS 313 Computer Systems and Concurrency 3 20

EE 320 Signals and Communication Systems 3 20

56 324 Engineering Innovation and Management 3 10

CX318 Computer and Electronic Systems Project 3 10

Elective Classes 20

Optional Classes

20 credits chosen from:

CS 310 Foundations of Artificial Intelligence 3 20

CS 311 Programming Language Definition &

Implementation 3 20

EE 312 Instrumentation and Microcontrollers 3 20

EE 315 Analogue and Digital System Design 3 20

EE 313 Engineering Analysis 3 20

*MEng in Computer and Electronic Systems with International Study*

Students who elect to undertake study abroad during third year shall follow an approved curriculum which is equivalent to that specified in these regulations.

Optional Industrial Placement

12.30.7

CS 416 Industrial Placement 1 4 20

Students may additionally undertake the above class normally between the third and fourth years. This class shall consist of a placement of approximately 12 weeks on work approved by the Course Director.

Fourth and Fifth Year

12.30.8 All students shall undertake classes amounting to 120 credits in each of fourth and fifth years as follows:

Compulsory Classes Level Credits

EE 475\* CES Individual Project 4 40

19 520\*\* Group Project 5 40

*\*normally undertaken during fourth year*

*\*\* normally undertaken during fifth year*

Students select optional classes chosen from:

At level 4, 80 credits chosen from Regulation 11.30.7

At level 5, 80 credits chosen from Regulation 12.30.10

A total of no fewer than 220 credits must be at Level 4 or above, with no fewer than 120 credits taken at Level 5.

Exceptionally, such other classes offered by the Department of Computer and Information Sciences, the Department of Electronic and Electrical Engineering, or both, and totalling no more than 20 credits as may be approved by the Course Director.

*MEng in Computer and Electronic Systems with International Study*

12.30.9 Regulation 12.30.8 shall apply, with students permitted to incorporate up to 40 credits of classes in foreign language or otherwise relevant to international study, approved by the Course Director.

Students who elect to undertake study abroad during fourth or fifth year shall follow an approved curriculum which is equivalent to that specified in these regulations.

**Optional Classes**

12.30.10

CS 547 Advanced Topics in Software Engineering 5 20

CS 548 Designing Usable Systems 5 20

CS 549 Distributed Information Systems 5 20

CS 551 Mobile Software and Applications 5 20

CS 965 Computer Security 5 20

EE 578 Advanced DSP 5 20

EE 579 Advanced Microcontroller Applications 5 20

EE 581 Image and Video Processing 5 20

EE 582 Control Techniques 5 20

EE 583 Mobile and Wireless Networks 5 20

EE 580 DSP and FPGA-based Embedded Systems

Design 5 20

Progress

12.30.11 In order to progress to the second year of the course, a student must have accumulated no fewer than 120 credits from the course curriculum.

12.30.12 In order to progress to the third year of the course, a student must have accumulated no fewer than 250 credits from the course curriculum.

12.30.13 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 390 credits from the course.

12.30.14 In order to progress to the fifth year of the course, a student must have accumulated no fewer than 510 credits from the course curriculum including those for the class *EE 475 CES Individual Project*.

12.30.15 *MEng in Computer and Electronic Systems with International Study*

In order to progress to a period of study abroad, a student must normally have passed all classes from the course curriculum. Any student who does not meet this requirement may be required to transfer to another course not requiring study abroad.

Final Assessment

12.30.16 The final classification for the degree of MEng in Computer and Electronic Systems will normally be based on the first assessed attempt at compulsory and optional classes taken in the fourth and fifth years.

Award

12.30.17 **MEng**: In order to qualify for the award of the degree of MEng in Computer and Electronic Systems a candidate must have accumulated no fewer than 630 credits from the course curriculum including those for the classes *EE 475 CES Individual Project* and *19 520 Group Project.*

In order to qualify for the award of MEng in Computer and Electronic Systems with International Study, in addition to satisfying the provisions of Regulation 12.30.18, a student must have undertaken successfully no fewer than 30 weeks of approved study abroad.

Transfer

12.30.18 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to the degree of BEng with Honours in Computer and Electronic Systems provided they satisfy the appropriate progress requirements.

12.30.19

to 12.30.40 (Numbers not used).

Applied Chemistry and Chemical Engineering

MSci in Applied Chemistry and Chemical Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.30.41 The course is at Integrated Masters level. Transfer to the BSc with Honours in Applied Chemistry or the BSc in Chemistry is possible at any time subject to satisfying the appropriate course regulations.

Mode of Study

12.30.42 The course is available by both full-time and part-time study.

Curriculum

First Year

12.30.43 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CH 107 Chemistry: Principles and Practice 2 1 20

CP 101 Basic Principles in Chemical Engineering 1 20

CP 102 Chemical Engineering: Fundamentals,

Techniques and Tools 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class 10

Second Year

12.30.44 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

CH 208 Fundamental Organic Chemistry 2 20

CH 212 Physical Chemistry I 2 20

CH 218 Practical Organic, Inorganic and Physical

Chemistry and Safety 2 20

CP 204 Fluid Flow and Heat Transfer 2 20

CP 207 Process Analysis and Statistics 2 20

MM 211 Mathematics 3B 2 20

Elective Class 10

Third Year

12.30.45 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 306 Practical Preparative and Physical Chemistry 3 20

CH 324 Inorganic Chemistry 3 20

CH 325 Intermediate Organic Chemistry and

Spectroscopy 3 20

CP 302 Mass Transfer and Separation Processes 3 20

CP 306 Chemical Engineering Design and Advanced

Information Technology 3 20

CP 316 Reactors 3 10

CP 317 Chemical Engineering Practice 3 10

Fourth Year

12.30.46 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 460 Physical Chemistry 2 4 20

CH 461 Inorganic Chemistry, Structures and

Spectroscopy 4 20

CP 405 Process Control and Environmental Technology 4 20

CP 407 Chemical Engineering Design (MSci) 4 60

Fifth Year

12.30.47 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 545 MSci in Applied Chemistry and Chemical

Engineering 5 120

*CH 545* comprises:

CH 557 Applied Chemistry Project 5 40

CH 565 Topics in Chemistry 5 40

and 40 credits of classes chosen from\*:

CP 517 Fuel Cells 5 10

CP 520 Membrane Technology 5 10

CP 521 Model Based Process Control 5 10

CP 525 Nanotechnology 5 10

CP 526 Nuclear Engineering 5 10

CP 528 Modern Methods of Process Measurement 5 10

CP 530 Safety Management Practices 5 10

\*such other classes as may be approved by the Course Director

Curriculum (Part-time study)

12.30.48 Students studying on a part-time basis will normally take classes amounting to 60 credits in each year.

Progress

12.30.49 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

12.30.50 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including a minimum of 100 at Level 2.

12.30.51 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course including 60 at Level 3.

12.30.52 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum including at least 100 at Level 4 or above.

Final Assessment and Classification

12.30.53 On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits under the class code *CH 545*.

12.30.54 The final classification for the degree of MSci in Applied Chemistry and Chemical Engineering will normally be based on the first assessed attempt at compulsory and specified optional classes which are taken in the third, fourth and fifth years.

Award

12.30.55 **MSci:** In order to qualify for the award of the degree of MSci in Applied Chemistry and Chemical Engineering, a candidate must have accumulated no fewer than 600 credits from the course curriculum. Notwithstanding Regulation 12.1.0, these must include no fewer than 240 credits at Levels 4 or 5 of which a minimum of 120 must be at Level 5.

Transfer

12.30.56 A candidate who fails to satisfy the progress or award requirements for the degree may be transferred to the degree of BSc with Honours in Applied Chemistry or the BSc in Chemistry.

12.31

to 12.41 (Numbers not used)

Faculty of Engineering

12.42 Department of Biomedical Sciences

Biomedical Engineering

MEng in Biomedical Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.42.1The course is at Integrated Masters level. Transfer to the BEng degree in Biomedical Engineering is possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

12.42.2 The courses are available by full-time study only.

Curriculum

First Year

12.42.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE 100 Anatomy and Physiology for Biomedical Engineers

1 20

BE 101 Biomedical Engineering 1 10

BE 103 Analytical and Numerical Methods in

Biomedical Engineering 1 20

BE 105 Cell Biology 1 1 10

EE 107 Electronic and Electrical Principles 1 1 20

EM 105 Electrical and Mechanical techniques and design 1 20

ME108 Engineering Analysis and Numerical Methods 1 10

ME109 CAD for Biomedical Engineering 1 10

Second Year

12.42.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE205 Fluid mechanics in Biomedical Engineering 2 10

BE207 Human Cell Biology 2 2 10

BE208 Statics and Dynamics in Biomedical Engineering 2 20

EE269 Electronic and Electrical Principles 2 2 20

EE 270 Digital Electronic Systems 2 20

ME 209 Mathematical Modelling and Analysis 2 20

ME 212 Materials Engineering and Design 2 10

ME 214 Mechanical Engineering Design 2 2 10

Third year

12.42.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE302 Practical Biomechanics 3 20

BE300 Biomedical Materials 3 20

BE301 Physiological Systems in Health and Disease 3 20

BM325 Fundamental Immunology 3 20

EE312 Instrumentation and Microcontrollers 3 20

Elective 20

fourth year

12.42.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE406 Biomedical Engineering project 4 40

BE428 Professional Studies and

Research Methods in BME 4 20

BE404 Biomedical Instrumentation 4 10

BE401 Biomedical Electronics 4 10

Optional Classes

40 credits chosen from

16429 Computer Aided Engineering Design 4 20

BE405 Sports Injury and Rehabilitation 4 20

BE424 Practical Biomechanics 2 4 20

BE425 The Medical Device Regulatory Process 4 10

BE426 Medical Robotics 4 10

BE427 Numerical Modelling in Biomedical Engineering 4 10

EE472 Control Principles 4 20

EE474 Robotics: systems and control 4 20

ME414 Advanced Mechanics and dynamics 4 20

Such other Level 4 classes as may be approved by the Course Director.

Fifth Year

12.42.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BE501 Biomedical Engineering group project 5 40

BE500 Entrepreneurship and Commercialisation in

Biomedical Engineering 5 10

Optional Classes

70 credits chosen from Lists A and B, of which no fewer than 40 credits must be taken from List A

**List A**

BE902 Prosthetics and Orthotics 5 10

BE901 Regenerative Medicine & Tissue Engineering 5 10

BE900 Tissue Mechanics 5 10

BE904 Clinical and Sports Biomechanics 5 10

BE905 Bio-signal Processing and Analysis 5 10

BE906 Biomaterials and Biocompatibility 5 10

BE903 Cardiovascular Devices 5 10

**List B**

16565 Engineering composites 5 10

EE578 Advanced Digital Signal Processing 5 10

EE579 Advanced microcontroller applications 5 10

EE581 Image and video processing 5 10

EE582 Control techniques 5 10

BM918 Clinical Biochemistry 5 10

BM919 Medical Genomics 5 10

MP941 Advanced Techniques in Biochemistry 5 10

MP942 Advanced Techniques in Biomedical Research 5 10

MP946 Advanced Techniques in Molecular Biology 5 10

Progress

12.42.8 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum

12.42.9 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

12.42.10 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum.

12.42.11 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum.

Final Assessment and Classification

12.42.12 The final classification for the degree of MEng will normally be based on the first assessed attempt at compulsory and specified optional classes in the second, third, fourth and fifth years.

Award

12.42.13  In order to qualify for the award of the degree of MEng in Biomedical Engineering, a candidate must have accumulated no fewer than 600 credits from the course curriculum, including all compulsory classes. No fewer than 220 credits must be at Levels 4 and 5, including 120 credits at Level 5.

Transfer

12.42.14 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to the degree of BEng in Biomedical Engineering.

Faculty of Engineering

12.43 Department of Chemical and Process Engineering

Chemical Engineering

MEng in Chemical Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.43.1 The course is at Integrated Masters level. Transfer to the BEng degree in Chemical Engineering is possible at all stages, subject to satisfying the appropriate progress requirements.

Mode of Study

12.43.2The course is available by full-time study only.

Curriculum

First Year

12.43.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CH 106 Chemistry: Principles and Practice 1 1 20

CP 101 Basic Principles in Chemical Engineering 1 20

CP 102 Chemical Engineering: Fundamentals,

Techniques and Tools 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class(es) 20

Second Year

12.43.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CP 203 Thermodynamic and Chemical Principles 2 20

CP 204 Fluid Flow and Heat Transfer 2 20

CP 212 Process Safety Fundamentals 2 20

CP 206 Chemical Engineering Practice 1 2 20

CP 207 Process Analysis and Statistics 2 20

CP213 Applied Mathematics and Problem Solving 2 20

Third Year

12.43.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CP 302 Mass Transfer and Separation Processes 3 20

CP 303 Materials Processing and Application 3 20

CP 316 Reactors 3 10

CP 315 Biochemical Engineering 3 10

CP 305 Ethics, Sustainability and Economics 3 20

CP 306 Chemical Engineering Design and Advanced

Information Technology 3 20

CP 307 Chemical Engineering Practice 2 3 20

Fourth Year

12.43.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CP 405 Process Control and Environmental Technology 4 20

CP 407 Chemical Engineering Design 4 60

CP 409 Advanced Separations and Problem Solving 4 20

CP 414 Particle Technology and Advanced Reactors 4 20

Fifth Year

12.43.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

18530 Chemical Engineering Project 5 60

Optional Classes

No fewer than 60 credits from the following: including at least 10 credits and no more than 30 credits from each of lists A, B & C

List A

CP515 Colloid Engineering 5 10

CP525 Nanotechnology 5 10

CP528 Modern Methods of Process Measurement 5 10

CP524 Multi-Phase Processing 5 10

CP520 Membrane Technologies 5 10

CP521 Model-based Process Control 5 10

List B

CP529 Programming and Optimisation 5 10

CP518 Communicating Science and Technology 5 10

CP516 Emerging Technologies 5 10

CP522 Modelling & Simulation 5 10

CP523 Molecular Simulation in Chemical Engineering 5 10

List C

CP526 Nuclear Engineering 5 10

CP517 Fuel Cells 5 10

CP527 Petrochemical Engineering 5 10

CP519 Environmental Engineering & Management 5 10

Exceptionally, such other classes totalling no more than 10 credits as approved by the Academic Year Co-ordinator

Progress

12.43.9 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

12.43.10 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum, includingat least 120 credits from Level 1 and 100 from Level 2.

12.43.11 In order to progress to the fourth year of the course, a student must have accumulated 360 credits from the course curriculum.

12.43.12 In order to progress to the fifth year of the course, a student must normally have accumulated at least 480 credits from the course curriculum.

Final Assessment and Classification

12.43.13 The final classification for the degree of MEng in Chemical Engineering will normally be based on the first assessed attempt at classes taken in the second, third, fourth and fifth years.

Award

12.43.14 **MEng:** In order to qualify for the award of the degree of MEng in Chemical Engineering, a candidate must have accumulated no fewer than 600 credits from the course curriculum.

Transfer

12.43.15 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to the degree of BEng with Honours in Chemical Engineering.

16.43.16

to 16.43.20 (Numbers not used)

Chemical Engineering by Distance Learning

MEng in Chemical Engineering by Distance Learning

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Admission

12.43.21 Entry to the course is by transfer at the end of the final year of the BEng Chemical Engineering honours by Distance Learning degree for students who have completed the course curriculum and achieved an appropriate standard of performance.

Status of the Degree

12.43.22 The course is at Integrated Masters level.

Mode of Study

12.43.23Distance and Flexible Learning.

Duration of Study

12.43.24The normal duration of study is 4-5 years depending on mode of study. The maximum duration of study is 8 years

Curriculum (Part-time study)

**First, Second and Third year** – as BEng honours in Chemical Engineering by Distance Learning curriculum set out in regulation 11.43.35

12.43.25 Fourth Year

All students shall undertake classes amounting to 60 credits as follows:

Optional Classes

Students will take 60 credits of level 5 classes listed in either Regulation 12.43.7 or from List A of Regulation 19.43.4 in a curriculum that must be approved by the course director.

12.43.26 **Fifth Year**

All students shall undertake classes amounting to 60 credits as follows:

Compulsory Classes Level Credits

CP936 Project module 5 60

Progress – Part-time Study

12.43.27 At all stages of the course, a student must achieve an approved standard of performance with regard to level of study and academic attainment.

12.43.28 In order progress to year 5 students must have attained at least 520 credits from the course curriculum

Examination and Final Assessment

12.43.29 The final classification for the degree of MEng will normally be based on:

(i) the first assessed attempt at compulsory and specified optional classes at levels 3, 4 and 5

Award

12.43.30 **MEng:** In order to qualify for the award of the degree of MEng in Chemical Engineering, a candidate must have accumulated no fewer than 600 credits. These must include no fewer than 220 Credits at Levels 4 or 5 of which a minimum of 120 must be at Level 5.

Transfer

12.43.31 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be awarded to the degree of BEng with Honours in Chemical Engineering, provided the appropriate progress regulations are satisfied.

12.44 Department of Civil and Environmental Engineering

Structural and Architectural Engineering

MEng in Structural and Architectural Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.44.1 The course is at Integrated Masters level. Transfer to a BEng in Structural and Architectural Engineering is possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

12.44.2 The course is available by full-time study only.

Curriculum

First Year

12.44.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 110 Cultural Studies 1 1 20

CL 111 Structural Mechanics and Materials 1 1 20

CL 119 Introduction to Geology and Soil Mechanics 1 20

CL 117 Basic Mechanics 1 10

ME 101 Heat and Flow 1 1 10

MM 115 Mathematics 1D 1 20

Elective Class(es) 20

Second Year

12.44.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 211 Cultural Studies 2 2 20

CL 207 Structural Mechanics and Materials 2 2 20

CL 217 Soil Mechanics 2 20

CL 216 Hydraulics and Hydrology 2 20

16 293 Environmental Engineeing Science 2 10

16 294 Energy Systems 1 2 10

MM 215 Mathematics 2D 2 20

Third Year

12.44.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

AB 314 Cultural Studies 3 3 20

CL 313 Structural Engineering 1 3 20

CL 314 Geotechnical Engineering 1 3 20

CL 329 Engineering Mathematics 3 20

CL 324 Surveying and Building Design 3 20

16 387 Environmental Engineering Science 2 3 10

16 390 Energy Systems 2 3 10

Fourth Year

12.44.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 469 Low Energy Building Design 4 20

CL 434 Individual Project 4 40

CL 418 Structural Engineering 2 4 20

CL 419 Geotechnical Engineering 2 4 20

CL 435 Prestressed Concrete, Composite Materials

and Structural Stability 4 10

CL 438 Project Planning 4 10

Optional Classes

CL 436 Transport Planning 4 10

CL 437 Project Analysis 4 10

CL 428 Architectural Engineering Design Project 4 10

16 468 Acoustics 4 10

ME 404 Energy Systems Modelling 4 10

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director.

Fifth Year

12.44.7 All students shall undertake classes amounting to no fewer than 120 credits (which must bring the total studied at Level 5 to no fewer than 120 credits) as follows:

Optional Classes at Level 5

No fewer than 120 credits chosen from Lists A, B and C in Regulation 12.44.8 of which 20 credits must be chosen from List A and a minimum of 40 credits must be chosen from List B.

List A: Group Design Project

CL 518 Group Design Project A 5 20

CL 519 Group Design Project B 5 20

List B Civil Engineering Level Credits

CL 507 Ground Improvement and Reinforcement 5 10

CL 508 Site Investigation and Risk Assessment 5 10

CL 510 Advanced Structural Analysis and Design 5 10

CL 516 MEng Dissertation 5 20

CL 517 Advanced Structural Steelwork Design 5 20

CL 520 Engineering Challenges in Nuclear

Decommissioning and Waste Disposal 5 10

EV 939 Environmental Impact Assessment 5 10

List C: Other Classes

CL 504 Financial Engineering 5 10

CL 565 Science, Technology and Innovation Policy 5 10

CL 904 Waste Management & Landfill Design 5 10

CL 952 Aquifer Mechanics 5 10

CL 972 Sustainability and Strategic

Environmental Assessment 5 10

CL 961 Geographical Information Systems 5 10

ME 514 Advanced Topics in Fluid Systems Engineering 5 10

ME 927 Energy Resources and Policy 5 10

ME 928 Energy Systems Analysis 5 10

ME 930 Energy Modelling and Monitoring 5 10

NM 518 Offshore Engineering Practice 5 10

NM 948 Subsea Systems and Installation 5 10

Exceptionally, such other classes totaling no more than 20 credits as approved by the Course Director.

Progress

12.44.9 In order to progress to the second year of the course a student must have accumulated no fewer than 100 credits from the course curriculum.

12.44.10 In order to progress to the third year of the course, a student must have accumulated no fewer than 220 credits from the course curriculum.

12.44.11 In order to progress to the fourth year, a student must have accumulated no fewer than 360 credits from the course curriculum.

12.44.12 In order to progress to the fifth year, a student must have accumulated no fewer than 480 credits from the course curriculum including those for the class *CL434 I*ndividual *Project*.

Final Assessment and Classification

12.44.13 The final assessment for the award of the degree of MEng in Architectural Engineering will normally be based on:

the first assessed attempt at compulsory and approved optional classes taken in the second, third, fourth and fifth years.

Award

12.44.14 **MEng:** In order to qualify for the award of the degree of MEng in Structural and Architectural Engineering a candidate must have accumulated no fewer than 600 credits from the course curriculum.

Transfer

12.44.15 A candidate who fails to satisfy the progress or award requirements for the degree of MEng in Structural and Architectural Engineering may be transferred to the degree of BEng in Structural and Architectural Engineering.

12.44.16

to 12.44.20

Civil Engineering

MEng in Civil Engineering

MEng in Civil and Environmental Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.44.21 The courses are at Integrated Masters level. Transfer between the MEng degrees is possible at any time prior to the third year of study, subject to satisfying the appropriate progress regulations. Transfer to the degrees of BEng in Civil Engineering or BEng in Civil and Environmental Engineering is possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

12.44.22 The courses are available by full-time study only.

Curriculum

First Year

12.44.23 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

Compulsory Classes Level Credits

CL132 Engineering Mechanics 1 1 20

CL134 Engineering Mechanics 2 1 20

CL 114 Civil Engineering Design Projects 1 20

CL133 Soils and Earthworks 1 10

MM 115 Mathematics 1D 1 20

CL 120 Introduction to Civil Engineering

and the Environment 1 20

Elective Class(es) 10

Second Year

12.44.24 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CL 207 Structural Mechanics and Materials 2 2 20

CL 217 Soil Mechanics 2 20

CL 209 Land Surveying and Mapping 2 20

CL218 Chemistry and Materials Science 2 20

CL 216 Hydraulics and Hydrology 2 20

MM 215 Mathematics 2D 2 20

Third Year

12.44.25 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CL 313 Structural Engineering 1 3 20

CL 314 Geotechnical Engineering 1 3 20

CL 315 Water Engineering 1 3 20

CL 329 Engineering Mathematics 3 20

CL 328 Environmental Engineering 3 10

CL 330 Transport Engineering 3 10

CL 305 Construction Project Management 3 10

Elective Class(es) 10

Fourth Year

12.44.26 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

CL 419 Geotechnical Engineering 2 4 20

CL 420 Water Engineering 2 4 20

CL 448 Individual Project 4 30

*Civil Engineering*

CL 418 Structural Engineering 2 4 20

CL 435 Prestressed Concrete, Composite Materials

and Structural Stability 4 10

*Civil and Environmental Engineering*

CL 413 Solid Waste Management 4 10 CL 439 Contaminated Land 4 10

CL 447 Water and Wastewater Treatment Design 4 10

Optional Class(es)

No fewer than 20 from the following:

CL 436 Transport Planning 4 10

CL 437 Project Analysis 4 10

CL 418 Structural Engineering 2 4 20

CL 435 Prestressed Concrete, Composite Materials

and Structural Stability 4 10

CL 431 Pollution and Rehabilitation

of Degraded Ecosystems 4 10

CL 413 Solid Waste Management 4 10 CL 439 Contaminated Land 4 10

CL 430 Principles of Environmental Microbiology 4 10

EV 405 Strategic Environmental Assessment 4 10

CL 447 Water and Wastewater Treatment Design 4 10

CL 446 Water and Environmental Management 4 10

Fifth Year

12.44.27 All students shall undertake classes amounting to no fewer than 120 credits, (which must bring the total studied at Level 5 to no fewer than 120 credits) appropriate to the chosen course:

*Civil Engineering*

Optional Classes

No fewer than 120 credits chosen from Lists A, B, and C and D in Regulation 12.44.28 of which a minimum of 40 must be chosen from List B.

*Civil and Environmental Engineering*

Optional Classes

No fewer than 120 credits chosen from Lists A, B, and C and D in Regulation 12.44.28 of which a minimum of 20 must be chosen from List B and a minimum of 20 must be chosen from List C.

Optional Classes at Level 5

12.44.28

List A: Group Design Project

CL 518 Group Design Project A 5 20

CL 519 Group Design Project B 5 20

List B**:** Civil Engineering Level Credits

CL 507 Ground Improvement and Reinforcement 5 10

CL 508 Site Investigation and Risk Assessment 5 10

CL 510 Advanced Structural Analysis and Design 5 10

CL 514 Rock Mechanics, Tunnelling and Groundwater 5 10

CL 516 MEng Dissertation 5 20

CL 517 Advanced Structural Steelwork Design 5 20

CL 520 Engineering Challenges in Nuclear

Decommissioning and Waste Disposal 5 10

EV 939 Environmental Impact Assessment 5 10

List C: Environmental Engineering

CL 904 Waste Management & Landfill Design 5 10

CL 935 Hydrogeology 5 10

CL 946 Global Water Policy 5 10

CL 948 Principles of Environmental Microbiology 5 10

CL 952 Aquifer Mechanics 5 10

CL 954 Contaminated Land 5 10

CL 960 Fundamentals of Environmental Forensics 5 10

CL 961 Geographical Information Systems 5 10

CL 970 Environmental Pollution Management 5 10

CL 971 Air Pollution, Climate Change & Human Health 5 10

CL 972 Sustainability and Strategic

Environmental Assessment 5 10

CL 978 Water and Wastewater Treatment Design 5 10

EV 908 Pollution and Rehabilitation of

Degraded Ecosystems 5 10

EV921 Water and Environmental Management 5 10

List D: Other Classes

CL 565 Science, Technology and Innovation Policy 5 10

CL 504 Financial Engineering 5 10

ME 927 Energy Resources and Policy 5 10

NM 518 Offshore Engineering Practice 5 10

NM 948 Subsea Systems and Installation 5 10

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director.

Progress

12.44.29 In order to progress to the second year of the chosen course, a student must have accumulated no fewer than 100 credits from the course curriculum.

12.44.30 In order to progress to the third year of the chosen course, a student must have accumulated no fewer than 220 credits from the course curriculum.

12.44.31 In order to progress to the fourth year of the chosen course, a student must have accumulated no fewer than 360 credits from the course curriculum.

12.44.32 In order to progress to the fifth year of the chosen course, a student must have accumulated no fewer than 480 credits from the course curriculum including those for the class CL 448Individual Project.

Final Assessment and Classification

12.44.34 The final classification for the degree of MEng in the chosen course will normally be based on:

the first assessed attempt at compulsory and approved optional classes taken in the second, third, fourth and fifth years;

Award

12.44.35 **MEng:** In order to qualify for the award of the degree of MEng in the chosen course, a candidate must have accumulated no fewer than 600 credits from the course curriculum.

Transfer

12.44.36 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to a degree of BEng in the chosen course.

12.45 Department of Design, Manufacture and Engineering Management

Product Design Engineering

MEng in Product Design Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.45.1 The course is at Integrated Masters level. Transfer to the BEng degree in Product Design Engineering is possible at any time, subject to satisfying the appropriate progress requirements.

Mode of Study

12.45.2 The courses are available by full-time study only.

Curriculum

First Year

12.45.3 All students shall undertake classes amounting to 120creditsas follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

DM 100 Design 1 1 20

DM 101 Integrating Studies 1 1 20

DM 102 Introduction to Production Engineering and

Management 1 20

MM 115 Mathematics 1D 1 20

Elective Class(es) 20

Second Year

12.45.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 155 Engineering Materials 1 10

19 222 Electrical Machines and Control 2 10

19 260 Electrical and Electronic Engineering 2 10

DM 200 Design 2 2 20

DM 202 Design and Manufacturing Management 2 20

DM 204 Integrating Studies 2 2 20

DM 205 Production Techniques 1 2 20

ME 101 Heat and Flow 1 10

Third Year

12.45.5 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

DM 303 Engineering Design 3 20

DM 304 Integrating Studies 3 3 20

DM 306 Product Development 3 20

DM 308 Production Techniques 2 3 20

DM 309 Mechatronics Design and Applications 3 20

Optional Classes

20 credits at Level 3 or 4 chosen from the list of optional classes in Regulation 12.45.8

Fourth Year

12.45.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 400 Advanced Design Methods 4 20

DM 401 Advanced Product Design and Manufacture 4 20

DM 402 Individual Project 1 4 40

DM 403 Industrial Group Project 4 20

Optional Classes

20 credits at Level 3, 4 or 5 chosen from the list of optional classes in Regulation 12.45.8.

Fifth Year

12.45.7 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Compulsory Classes Level Credits

DM 500 Individual Project 2 5 40

DM 501 Industrial Group Project 2 5 20

DM 502 Research Studies 5 20

Optional Classes

No fewer than 40 credits at Level 4 or 5 (which must bring the total at Level 5 to no fewer than 120 credits) chosen from the list of optional classes in Regulation 12.45.8.

**Optional Classes at Levels 3, 4 and 5**

12.45.8

DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

Z1 313 Vertically Integrated Project 3 10

Z1 317 Vertically Integrated Project 3 10

DM 404 Quality Management 4 20

DM 406 Industrial Placement 1 4 20

DM 405 Industrial Placement 2 4 20

Z1 406 Vertically Integrated Project 4 10

Z1 407 Vertically Integrated Project 4 10

DM503 Global Design 5 10

DM918 People, Organisation and Technology 5 10

DM920 Strategic technology Management 5 10

DM 943 Sustainable Product Design and

Manufacturing 5 10

DM 983 Design Form and Athestics 5 10

DM923 Product Modelling and Visualisation 5 10

DM926 Supply Chain Operations 5 10

DM935 Management of Total Quality and

Continuous Improvement 5 10

EF927 Design Management 5 10

Z1 505 Vertically Integrated Project 5 10

Z1 506 Vertically Integrated Project 5 10

DM 904 Human Centred Design 5 10

DM 985 Remanufacturing 5 10

Progress

12.45.9 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

12.45.10 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including 100 credits at Level 2 or above.

12.45.11 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 100 credits at Level 3 or above.

12.45.12 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum including 100 credits at Level 4 or above.

Final Classification

12.45.13 The final classification for the degree of MEng in Product Design Engineering will normally be based on the first assessed attempt at all classes taken in the second, third, fourth and fifth years.

Award

12.45.14 **MEng**: In order to qualify for the award of the degree of MEng in Product Design Engineering, a candidate must have accumulated no fewer than 600 credits from the course curriculum including those for the classes *DM 402 Individual Project 1* and *DM 500 Individual Project 2.*

Transfer

12.45.15 A student who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to a degree of BEng in Product Design Engineering.

12.45.16

to 12.45.20 (Numbers not used)

Production Engineering and Management

MEng in Production Engineering and Management

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.45.21 The course is at Integrated Masters level. Transfer to the BEng degree in Production Engineering Management is possible prior to the fourth year, subject to satisfying the appropriate progress requirements.

Mode of Study

12.45.22 The courses are available by full-time study only.

Curriculum

First Year

12.45.23 All students shall undertake classes amounting to 120creditsas follows:

Compulsory Classes Level Credits

DM 100 Design 1 1 20

DM 101 Integrating Studies 1 1 20

DM 102 Introduction to Production Engineering and

Management 1 20

MM 115 Mathematics 1D 1 20

16 132 Engineering Mechanics 1 1 20

Elective Class(es) 20

Second Year

12.45.24 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 155 Engineering Materials 1 10

19 222 Electrical Machines and Control 2 10

19 260 Electrical and Electronic Engineering 2 10

DM 200 Design 2 2 20

DM 202 Design and Manufacturing Management 2 20

DM 204 Integrating Studies 2 2 20

DM 205 Production Techniques 1 2 20

ME 101 Heat and Flow 1 1 10

Third Year

12.45.25 All students shall undertake classes amounting to 120credits as follows:

Compulsory Classes Level Credits

DM 304 Integrating Studies 3 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

DM 308 Production Techniques 2 3 20

DM 309 Mechatronics Design and Applications 3 20

Optional Classes

20 credits at Level 3 or 4 chosen from the list of optional classes in Regulation 12.45.28

Fourth Year

12.45.26 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 401 Advanced Product Design and Manufacture 4 20

DM 402 Individual Project 1 4 40

DM 403 Industrial Group Project 1 4 20

DM 404 Quality Management 4 20

Optional Classes

20 credits at Level 3, 4 or 5 chosen from the list of optional classes in Regulation 12.45.28.

Fifth Year

12.45.27 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Compulsory Classes Level Credits

DM 500 Individual Project 2 5 40

DM 501 Industrial Group Project 2 5 20

DM 502 Research Studies 5 20

Optional Classes

No fewer than 40 credits at Level 4 or 5 (which must bring the total at Level 5 to no fewer than 120 credits) chosen from the list of optional classes in Regulation 12.45.28.

**Optional Classes at Levels 3, 4 and 5**

12.45.28

DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

Z1 313 Vertically Integrated Project 3 10

Z1 317 Vertically Integrated Project 3 10

DM 404 Quality Management 4 20

DM 406 Industrial Placement 1 4 20

DM 405 Industrial Placement 2 4 20

Z1 406 Vertically Integrated Project 4 10

Z1 407 Vertically Integrated Project 4 10

DM503 Global Design 5 10

DM918 People, Organisation and Technology 5 10

DM920 Strategic technology Management 5 10

DM 943 Sustainable Product Design and

Manufacturing 5 10

DM 983 Design Form and Athestics 5 10

DM923 Product Modelling and Visualisation 5 10

DM926 Supply Chain Operations 5 10

DM935 Management of Total Quality and

Continuous Improvement 5 10

EF927 Design Management 5 10

Z1 505 Vertically Integrated Project 5 10

Z1 506 Vertically Integrated Project 5 10

DM 904 Human Centred Design 5 10

DM 985 Remanufacturing 5 10

Progress

12.45.29 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

12.45.30 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including 100 credits at Level 2.

12.45.31 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 100 credits at Level 3.

12.45.32 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum including 100 credits at Level 4.

Final Classification

12.45.33 The final classification for the degree of MEng in Production Engineering and Management will normally be based on the first assessed attempt at all classes taken in the second, third, fourth and fifth years.

Award

12.45.34 **MEng**: In order to qualify for the award of the degree of MEng in Production Engineering and Management*,* a candidate must have accumulated no fewer than 600 credits from the course curriculum including those for the classes *DM 402 Individual Project 1* and *DM 500 Individual Project 2.*

Transfer

12.45.35 A student who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to the degree of BEng in Production Engineering and Management.

12.45.36

to 12.45.40 (Numbers not used)

Sports Engineering

MEng in Sports Engineering

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.45.41 The course is at Integrated Masters level. Transfer to the BEng degree in Sports Engineering is possible at any time, subject to satisfying the appropriate progress requirements.

Mode of Study

12.45.42 The courses are available by full-time study only.

Curriculum

First Year

12.45.43 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 100 Design 1 1 20

DM 101 Integrating Studies 1 1 20

DM 102 Introduction to Production Engineering and

Management 1 20

DM 103 Technology Concepts 1 20

BE 100 Anatomy and Physiology for Biomedical

Engineers 1 20

Elective Class(es) 20

Second Year

12.45.44 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 200 Design 2 2 20

DM 204 Integrating Studies 2 2 20

DM 205 Production Techniques 1 2 20

DM 206 Sports Engineering 2 20

BE 201 Biomechanics of Human Movement – Theory 2 20

BE202 Biomechanics of Human Movement –

Measurement 2 20

Third Year

12.45.45 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

65303 Physiology of Sport and Exercise 3 20

DM 303 Engineering Design 3 20

DM 304 Integrating Studies 3 3 20

DM 306 Product Development 3 20

DM 309 Mechatronics Design and Applications 3 20

Optional Classes

20 credits at Level 3 and 4 chosen from the list of optional classes in Regulation 12.45.48.

Fourth Year

12.45.46 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

DM 402 Individual Project 1 4 40

DM 403 Industrial Group Project 1 4 20

BE405 Sports Injury and Rehabilitation 4 20

BE 400 Advanced Topics in Human Movement 4 20

Optional Classes

20 credits at Level 3, 4 or 5 chosen from the list of optional classes in Regulation 12.45.48

Fifth Year

12.45.47 All students shall undertake classes amounting to no fewer than 120 credits as follows:

Compulsory Classes Level Credits

DM 500 Individual Project 2 5 40

DM 501 Industrial Group Project 2 5 20

DM 502 Research Studies 5 20

Optional Classes

No fewer than 40 credits at Level 4 or 5 (which must bring the total studied at Level 5 to no fewer than 120 credits) chosen from the list of optional classes in Regulations 12.45.48.

12.45.48 **Optional Classes at Levels 3, 4 and 5**

DM 300 Design Emotion and Experience 3 20

DM 302 Design Interaction 3 20

DM 305 Innovation Management 3 20

DM 307 Production and Operations Management 3 20

Z1 313 Vertically Integrated Project 3 10

Z1 317 Vertically Integrated Project 3 10

DM 404 Quality Management 4 20

DM 406 Industrial Placement 1 4 20

DM 405 Industrial Placement 2 4 20

Z1 406 Vertically Integrated Project 4 10

Z1 407 Vertically Integrated Project 4 10

DM503 Global Design 5 10

DM918 People, Organisation and Technology 5 10

DM920 Strategic technology Management 5 10

DM 943 Sustainable Product Design and

Manufacturing 5 10

DM 983 Design Form and Athestics 5 10

DM923 Product Modelling and Visualisation 5 10

DM926 Supply Chain Operations 5 10

DM935 Management of Total Quality and

Continuous Improvement 5 10

EF927 Design Management 5 10

Z1 505 Vertically Integrated Project 5 10

Z1 506 Vertically Integrated Project 5 10

DM 904 Human Centred Design 5 10

DM 985 Remanufacturing 5 10

Progress

12.45.49 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

12.45.50 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum including 100 credits at Level 2 or above.

12.45.51 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum including 100 credits at Level 3 or above.

12.45.52 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the course curriculum including 100 credits at Level 4 or above.

Final Classification

12.45.53 The final classification for the degree of MEng in Sports Engineering will normally be based on the first assessed attempt at all classes taken in the second, third, fourth and fifth years.

Award

12.45.54 **MEng**: In order to qualify for the award of the degree of MEng in Sports Engineering, a candidate must have accumulated no fewer than 600 credits from the course curriculum including those for the classes *DM 402 Individual Project 1* and *DM 500 Individual Project 2.*

Transfer

12.45.55 A student who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to a degree of BEng with Honours in Sports Engineering.

12.45.56

to 12.45.60 (Numbers not used)

12.46 Department of Electronic and Electrical Engineering

Electronic and Electrical Engineering

MEng in Electronic and Electrical Engineering

MEng in Electronic and Electrical Engineering with Business Studies

MEng in Electronic and Electrical Engineering with International Study

MEng in Electrical Energy Systems

MEng in Electronic and Digital Systems

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.46.1 The courses are at Integrated Masters level. Transfer between these MEng courses is possible prior to the fourth year of study subject to satisfying the appropriate progress regulations. Transfer to the BEng in Electronic and Electrical Engineering is possible at any time subject to satisfying the appropriate progress requirements.

Mode of Study

12.46.2 The courses are available by full-time study only.

Place of Study

12.46.3 The MEng in Electronic and Electrical Engineering with International Study requires study at an approved institution abroad. Such study will normally extend over a minimum period of 30 weeks. Subject to availability of an approved curriculum (including any project), study abroad can be undertaken during third, fourth or fifth years of the course. Study abroad may comprise two exchanges with different institutions of one semester each, not necessarily during the same year.

Curriculum

First Year

12.46.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

56 110 Engineering Industry and Profession 1 10

EE 105 Electronic and Electrical Techniques and

Design 1 1 20

EE 106 Engineering Design for Software Development 1 1 20

EE 107 Electronic and Electrical Principles 1 1 20

MM 113 Engineering Mathematics 1E 1 20

MM 114 Engineering Mathematics 2E 1 20

PH 167 Physical Electronics 1 10

Second Year

12.46.5 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

56 213 Engineering Design and Manufacture 2 10

PH260 Physical Electronics 2 10

19207 Electromagnetism 2 10

EE 269 Electronic and Electrical Principles 2 2 20

EE 270 Digital Electronic Systems 2 20

EE 271 Electronic and Electrical Techniques and

Design 2 2 10

EE 273 Engineering Design for Software Development 2 2 20

MM 213 Engineering Mathematics 3E 2 20

Third Year

12.46.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

EE 320 Signals and Communications Systems 3 20

EE 311 Electronic and Electrical Principles 3 3 20

EE 312 Instrumentation and Microcontrollers 3 20

EE 313 Engineering Analysis 3 20

56 324 Engineering Innovation and Management 3 10

EE 318 Engineering Project 3 10

Elective Classes 20

*MEng in Electronic and Electrical Engineering with European Studies*

*MEng in Electronic and Electrical Engineering with International Study*

Students who elect to undertake study abroad during third year shall follow an approved curriculum which is equivalent to that specified in these regulations.

Fourth Year and Fifth Year

12.46.7 All students shall undertake classes amounting to 120 credits in each of fourth and fifth years as follows:

Compulsory Classes Level Credits

*Fourth Year*

19 496 Project 4 40

*Fifth Year*

19 520 Group Project 5 40

Optional Classes

80 credits in each of fourth and fifth years appropriate to the chosen course (see Regulations 12.46.8 – 12.46.12).

Optional classes must incorporate no fewer than 140 credits at Level 4 and above and no fewer than 80 credits at Level 5.

*MEng in Electronic and Electrical Engineering*

12.46.8

Optional classes chosen from:

At levels 3 and 4, Lists A, B and C in Regulation 11.46.7

At level 5, Lists A, B and C in Regulation 12.46.13

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director

*MEng in Electronic and Electrical Engineering with Business Studies*

12.46.9

Regulation 12.46.7 shall apply, with students required to incorporate 40 credits of business studies:

EM403 Engineering Business Case Studies and Case Studies 4 20

MS 952 Regulation and Competition in Network Industries 5 20

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director

*MEng in Electronic and Electrical Engineering with European Studies*

*MEng in Electronic and Electrical Engineering with International Study*

12.46.10

Regulation 12.46.7 shall apply, with students permitted to incorporate up to 40 credits of classes in foreign language or otherwise relevant to international study, approved by the Course Director.

Students who elect to undertake study abroad during fourth or fifth year shall follow an approved curriculum which is equivalent to that specified in these regulations.

12.46.11 *MEng in Electrical Energy Systems*

Compulsory Class

*If not already taken*

EE 317 Renewable Energy Technologies       3       20

Optional classes chosen from:

At Levels 3 and 4, Lists A and C in Regulation 11.46.7

At Level 5, Lists A and C in Regulation 12.46.13

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director

12.46.12 *MEng in Electronic and Digital Systems*

Compulsory Class

*If not already taken*

EE 315 Analogue and Digital System Design           3  20

Optional classes chosen from:

At Levels 3 and 4, Lists B and C in Regulation 11.46.7

At Level 5, Lists B and C in Regulation 12.46.13

Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director.

12.46.13 Optional Classes at Level 5

List A: Electrical Energy Systems

EE 573 Advanced Power System Analysis and Protection 5 20

EE 574 High Voltage Technology and Electromagnetic

Compatibility 5 20

EE 575 Power Electronics for Energy and Drive Control 5 20

EE 576 Power System Economics, Markets and Asset

Management 5 20

EE 577 Wind Energy and Distributed Energy Resources 5 20

List B: Electronic and Digital Systems

EE 578 Advanced Digital Signal Processing 5 20

EE 579 Advanced Microcontroller Applications 5 20

EE 580 DSP and FPGA-based Embedded System

Design 5 20

EE 581 Image and Video Processing 5 20

List C: General

EE 582 Control Techniques 5 20

EE 583 Mobile and Wireless Networks 5 20

Progress

12.46.14 In order to progress to the second year of the course, a student must have accumulated no fewer than 100 credits from the appropriate course curriculum.

12.46.15 In order to progress to the third year of the course, a student must have accumulated no fewer than 220 credits from the appropriate course curriculum, including;

12.46.16 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the appropriate course curriculum, including;

12.46.17 In order to progress to the fifth year of the course, a student must have accumulated no fewer than 480 credits from the appropriate course curriculum including those for the *Individual Project*.

*MEng in Electronic and Electrical Engineering with European Studies*

*MEng in Electronic and Electrical Engineering with International Study*

12.46.18 In order to progress to a period of study abroad, a student must normally have passed all classes from the course curriculum. Any student who does not meet this requirement may be required to transfer to another course not requiring study abroad.

Final Assessment and Classification

12.46.19 The final classification for the degree of MEng in the chosen course will normally be based on the first attempt at compulsory and optional classes taken in the fourth and fifth years.

Award

12.46.20 **MEng:** In order to qualify for the award of the degree of MEng in the chosen course, a candidate must have accumulated no fewer than 600 credits from the appropriate course curriculum including those for the *Individual Project* and the *Group Project*.

12.46.21 *MEng in Electronic and Electrical Engineering with European Studies*

*MEng in Electronic and Electrical Engineering with International Study*

In addition to satisfying the provisions of Regulation 12.46.26, a candidate must have undertaken successfully no fewer than 30 weeks of approved study abroad.

Transfer

12.46.22 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to the degree of BEng with Honours in Electronic and Electrical Engineering.

12.46.23

to 12.46.30 (Numbers not used)

Electrical and Mechanical Engineering

MEng in Electrical and Mechanical Engineering

MEng in Electrical and Mechanical Engineering with International Study

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Course

12.46.31 The course is at Integrated Masters level. Transfer to the BEng in Electrical and Mechanical Engineering is possible at any time subject to satisfying the appropriate progress regulations.

Mode of Study

12.46.32 The course is available by full-time study only.

12.46.33 **Place of Study**

The MEng in Electrical and Mechanical Engineering with International Study requires study at an approved institution abroad. Such study will normally extend over a minimum period of 30 weeks. Subject to availability of an approved curriculum (including any project), study abroad can be undertaken during third, fourth or fifth years of the course. Study abroad may comprise two exchanges with different institutions of one semester each, not necessarily during the same year.

Curriculum

First Year

12.46.34 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

56 110 Engineering Industry and Profession 1 10

EE 107 Electronic and Electrical Principles 1 1 20

EM 105 Electrical and Mechanical Techniques and

Design 1 1 20

ME 101 Heat and Flow 1 1 10

16 165 Engineering Analysis 1 1 10

MM 113 Engineering Mathematics 1E 1 20

MM 114 Engineering Mathematics 2E 1 20

Second Year

12.46.35 All students shall undertake classes amounting to 130 credits as follows:

Compulsory Classes Level Credits

16 232 Engineering Mechanics 2 2 20

19 207 Electromagnetism 2 10

56 213 Engineering Design and Manufacture 2 10

EE 269 Electronic and Electrical Principles 2 2 20

EE 270 Digital Electronic System 2 20

EM 271 Electronic and Mechanical Techniques and

Design 2 2 10

ME 203 Heat and Flow 2 2 20

MM 213 Engineering Mathematics 3E 2 20

Third Year

12.46.36 All students shall undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

EE 312 Instrumentation and Microcontrollers 3 20

EM 301 Engineering Analysis 3 20

56 324 Engineering Innovation and Management 3 10

EM 305 Engineering Computing 3 10

EM 310 Signals and Systems 3 10

ME 305 Dynamics 3 3 10

EM 304 Integrated Design 3 20

Elective Classes 20

Optional Classes

20 credits chosen from:

EE 311 Electronic and Electrical Principles 3 3 20

ME 301 Heat and Flow 3 3 20

12.46.37 *MEng in Electrical and Mechanical Engineering with International Study*

Students who elect to undertake study abroad during third year shall follow an approved curriculum which is equivalent to that specified in these regulations.

Fourth Year

12.46.38 All students shall undertake classes amounting to 140 credits as follows:

Compulsory Classes Level Credits

EM403 Engineering Business Case Studies and Ethics 4 20

EM 401 Individual Project 4 40

EM 402 Systems Engineering 4 20

Optional Classes

60 credits as specified in Regulation 12.46.42

12.46.39 *MEng in Electrical and Mechanical Engineering with International Study*

Students who elect to undertake study abroad during fourth year shall follow an approved curriculum which is equivalent to that specified in these regulations.

**Fifth Year**

12.46.40All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes

EM 501 Group Project 5 40

EM 502 Advanced Systems Engineering 5 20

Optional Classes

60 credits as specified in Regulation 12.46.42

12.46.41 *MEng in Electrical and Mechanical Engineering with International Study*

Students who elect to undertake study abroad during fifth year shall follow an approved curriculum which is equivalent to specified in these regulations.

Students who elect to undertake study abroad during both semesters of fourth year will normally be awarded 120 credits for external study at Level 4. Subsequently, during fifth year, they shall undertake classes amounting to 140 credits. Any such student shall take additional optional classes with total value of 40 credits, subject to the requirements of Regulation 12.46.40.

12.46.42 Optional Classes

Optional Classes in Fourth Year and Fifth Year must be approved by the Course Director and achieve an acceptable balance between the two disciplines. Normally no fewer than 40 credits at Level 4 or above must be taken from optional classes taught by each of the two associated Departments: Electronic and Electrical Engineering, and Mechanical and Aerospace Engineering.

12.46.43 Optional Classes at Level 5

*Electronic and Electrical Engineering*

As specified in Regulation 12.46.13

*Mechanical and Aerospace Engineering*

As specified in Regulations 12.47.8 and12.47.9.

Progress

12.46.44 In order to progress to the second year of the course, a student must have accumulated no fewer than 110 credits from the course curriculum.

12.46.45 In order to progress to the third year of the course, a student must have accumulated no fewer than 240 credits from the course curriculum.

12.46.46 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 400 credits from the course curriculum.

12.46.47 In order to progress to the fifth year of the course, a student must have accumulated no fewer than 540 credits from the course curriculum including those for the *Individual Project.*

12.46.48 *MEng in Electrical and Mechanical Engineering with International Study*

In order to progress to a period of study abroad, a student must normally have passed all classes from the course curriculum. Any student who does not meet this requirement may be required to transfer to another course not requiring study abroad.

Final Assessment and Classification

12.46.49 The final classification for the degree of MEng in Electrical and Mechanical Engineering will normally be based on the first assessed attempt at compulsory and optional classes taken in the fourth and fifth years.

Award

12.46.50 **MEng:** Notwithstanding Regulation 12.1.9, in order to qualify for the award of the degree of MEng in Electrical and Mechanical Engineering, a candidate must have accumulated no fewer than 660 credits from the course curriculum including those for the  *Individual Project* *EM 401* and the *Group Project* *EM 501*.

12.46.51 *MEng in Electrical and Mechanical Engineering with International Study*

In addition to satisfying the provisions of Regulation 12.46.51, a candidate must normally have undertaken successfully no fewer than 30 weeks of approved study abroad.

Transfer

12.46.52 A candidate who fails to satisfy the progress or award requirements for the degree of MEng in Electrical and Mechanical Engineering may be transferred to the degree of BEng with Honours in Electrical and Mechanical Engineering.

12.47 Department of Mechanical and Aerospace Engineering

Mechanical Engineering

MEng in Aero-Mechanical Engineering

MEng in Mechanical Engineering

MEng in Mechanical Engineering with Aeronautics

MEng in Mechanical Engineering with Financial Management

MEng in Mechanical Engineering with Materials Engineering

MEng in Mechanical Engineering with International Study

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.47.1The courses are at Integrated Masters level. Transfer to the BEng degree in Mechanical Engineering or to the BEng with Honours degrees in Aero-Mechanical Engineering, Mechanical Engineering or Mechanical Engineering with International Study is possible at any time subject to satisfying the appropriate progress requirements. Transfer between the MEng degrees may be possible at any time prior to the fourth year of study.

Mode of Study

12.47.2 The courses are available by full-time study only.

Place of Study

12.47.3 The MEng in Mechanical Engineering with International Study requires study at an approved institution abroad. Such study will normally extend over a minimum period of 30 weeks.

Curriculum

First Year

12.47.4 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

ME 108 Engineering Analysis and Numerical Methods 1 10

EE 108 Electrical Circuits 1 10

ME 101 Heat and Flow 1 1 10

ME 107 Experimental and Laboratory Skills 1 10

ME 105 Mechanical Engineering Design 1 20

MM 117 Mathematics 1M 1 20

Elective Class(es) 20

Second Year

12.47.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 232 Engineering Mechanics 2 2 20

16 288 Professional Studies 2 10

19 222 Electrical Machines and Control 2 10

ME 203 Heat and Flow 2 2 20

ME 209 Mathematical Modelling and Analysis 2 20

ME 212 Materials Engineering and Design 2 10

ME 214 Mechanical Engineering Design 2 2 10

together with classes appropriate to the chosen course:

*Mechanical Engineering*

*Mechanical Engineering with International Study*

*Mechanical Engineering with Materials Engineering*

Elective Class(es) 20

*Aero-Mechanical Engineering*

16 231 Flight and Spaceflight 1 2 10

ME 201 Aero Design and Flight Test 2 10

*Mechanical Engineering with Aeronautics*

16 231 Flight and Spaceflight 1 2 10

16 259 Aero-Design 1 2 10

*Mechanical Engineering with Financial Management*

AG 151 Introduction to Finance and Accounting 1 20

Third year

12.47.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 361 Dynamics and Control 3 20

16 363 Engineering Analysis 3 3 20

ME 301 Heat and Flow 3 3 20

16 327 Structural Mechanics 3 10

ME 415 Strategic Analysis of Engineering Business

Case Studies 4 10

ME 416 Engineering Ethics 4 10

together with classes appropriate to the chosen course:

*Aero-Mechanical Engineering*

*Mechanical Engineering with Aeronautics*

16 351 Flight and Spaceflight 2 3 10

16 309 Aero-Design 2 3 20

*Mechanical Engineering*

*Mechanical Engineering with Financial Management*

*Mechanical Engineering with Materials Engineering*

*Mechanical Engineering with International Study*

ME 312 Mechanical Design 3A 3 10

ME 313 Mechanical Design 3B 3 20

***Mechanical Engineering with International Study***

Students who elect to undertake study abroad in their third year must do so at an approved institution and shall follow an approved curriculum reflecting that undertaken by students taking the Mechanical Engineering course. Such study will normally extend over a minimum period of 30 weeks.

fourth year

12.47.7 All students will undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 402 Case Studies in Engineering 4 10

16 429 Computer Aided Engineering Design 4 20

ME 403 Engineering Materials Selection 4 10

ME 405 Heat and Flow 4 4 10

ME 414 Advanced Mechanics and Dynamics 4 20

together with classes appropriate to the chosen course:

*Aero-Mechanical Engineering*

ME 420 Individual Project - Aerospace 4 10

ME 425 Aerospace Propulsion 4 40

*Mechanical Engineering with Aeronautics*

ME 409 Individual Project 4 40

Either

ME 404 Energy Systems Modelling 4 10

or

ME 425 Aerospace Propulsion 4 10

ME409 Individual Project can be used to contribute towards a Vertically Integrated Project.

*Mechanical Engineering*

*Mechanical Engineering with Financial Management*

*Mechanical Engineering with Material Engineering*

*Mechanical Engineering with International Study*

ME 404 Energy Systems Modelling 4 10

ME 409 Individual Project 4 40

Fifth Year

12.47.8 All students, with the exception of those who elect to spend fifth year of studies abroad, shall undertake 120 level 5 credits as follows:

Aero-mechanical Engineering

Compulsory Classes

16 599 Aerodynamic Propulsion Systems 5 10

together with 60 credits of optional classes chosen from Regulation 12.47.9

*Mechanical Engineering*

*Mechanical Engineering with Aeronautics*

*Mechanical Engineering with International Study*

Compulsory Class

ME 519 Group Project 5 40

together with 70 credits of optional classes chosen from Regulation 12.47.9

*Mechanical Engineering with Financial Management*

Compulsory Class

ME 519 Group Project 5 40

ME 515 Finance for Mechnical Engineers 5 60

together with 20 credits of optional classes chosen from Regulation 12.47.9

Students who elect to undertake their period of study abroad in fifth year must do so at an institution acceptable to the Head of Department and shall be registered for ME524 – MEng Group Project Abroad.

*Mechanical Engineering with Materials Engineering*

Compulsory Classes

ME 519 Group Project 5 40

16 565 Engineering Composites 5 10

ME 523 Polymer and Polymer Composites 5 10

together with 60 credits of optional classes chosen from Regulation 12.47.9

Optional Classes

12.47.9

16 565 Engineering Composites 5 10

16 587 Pressurised Systems 5 10 16 599 Aerodynamic Propulsion Systems 5 10

ME 505 Machine Dynamics 5 10

ME 507 Machinery Diagnosis and Condition Monitoring 5 10

ME 511 Mathematical Modelling in Engineering Science 5 10

ME 512 Spaceflight Mechanics 5 10

ME 514 Advanced Topics in Fluid Systems Engineering 5 10 ME 517 Spaceflight Systems 5 10

ME 520 Advanced Research Project A 5 10

ME 521 Advanced Research Project B 5 20

ME 523 Polymer and Polymer Composites 5 10

ME 526 Engineering Plasticity 5 10

ME 527 Introduction to Engineering Optimisation 5 10

ME 528 Control Systems Design 5 10

ME 529 Aerodynamics in C 5 10

Exceptionally, such other level 5 classes totalling no more than 20 credits as approved by the Course Director.

12.47.10 **Class Combinations**

|  |  |  |
| --- | --- | --- |
| ME 515 Finance for Mechanical Engineers | 60 | Finance classes at an appropriate level as may be approved by the Adviser of Study |

Progress

12.47.11 Progress to a period of study abroad period is dependent on passing all compulsory classes. A student registered for the Mechanical Engineering with International Study course who does not meet this requirement at this stage will be required to transfer to another course.

12.47.12 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum

12.47.13 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the chosen course curriculum.

12.47.14 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the chosen course curriculum.

12.47.15 In order to progress to the fifth year of the course, a student must have accumulated at least 480 credits from the chosen course curriculum.

Final Assessment and Classification

12.47.16 The final classification for the degree of MEng in the chosen course will normally be based on the first assessed attempt at compulsory and specified optional classes in the second, third, fourth and fifth years.

Award

12.47.17 **MEng:** In order to qualify for the award of the degree of MEng in Aero-Mechanical Engineering or the MEng in Mechanical Engineering or the MEng in Mechanical Engineering with International Study, or the MEng in Mechanical Engineering in the chosen specialisation, a candidate must have accumulated no fewer than 600 credits from the appropriate course curriculum.

12.47.18 A candidate for the award of MEng in Mechanical Engineering with International Study in addition must have undertaken no fewer than 30 weeks of approved study abroad.

Transfer

12.47.19 A candidate who fails to satisfy the progress or award requirements for the degree of MEng may be transferred to the degree of BEng in the chosen course where available.

12.47.20 to

12.47.100 (numbers not used)

12.49 Department of Naval Architecture and Marine Engineering

Naval Architecture and Marine Engineering

MEng in Naval Architecture and Marine Engineering

MEng in Naval Architecture with Ocean Engineering

**MEng in Naval Architecture with High Performance Marine Vehicles**

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

**Status of the Courses**

12.49.1 The courses are at Integrated Masters level. Transfer between the courses is possible prior to the fourth year. Transfer to the BEng degrees in Naval Architecture and Marine Engineering, in Naval Architecture with Ocean Engineering or in Naval Architecture with High Performance Marine Vehicles is possible at any time subject to satisfying the appropriate progress requirements.

**Mode of Study**

12.49.2The courses are available by full-time study only.

**Curriculum**

**First Year**

12.49.3 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

16 132 Engineering Mechanics 1 1 20

NM 102 Introduction to Naval Architecture and

Marine Engineering 1 20

NM 103 Analysis Tools for Marine Design 1 20

MM 111 Mathematics 1B 1 20

MM 112 Mathematics 2B 1 20

Elective Class(es) 20

**Second Year**

12.49.4 All students shall undertake classes amounting to 120 credits as follows.

Compulsory Classes Level Credits

NM 209 Principles of Marine Design and   
 Production 2 20

NM 210 Analysis and Design of Marine Structures 1 2 20

NM 211 Engineering Applications for Naval

Architects and Marine Engineers 2 20

NM 212 Hydrostatics and Stability of Marine   
 Vehicles 2 20

NM 213 Marine Engineering Fundamentals 2 20

MM 211 Mathematics 3B 2 20

**Third Year**

12.49.5 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

NM 312 Analysis and Design of Marine Structures 2 3 20

NM 313 Hydrodynamics, Resistance and Propulsion 3 20

NM 314 Marine Design 3 20

NM 316 Marine Engineering Systems and Control 3 20

21 370 Marine Business and Financial Management 3 10

NM 323 The Marine Environment 3 10

Optional Classes

*Either*

NM 3xx Professional Development 3 10

*Or*

EF 300 STEM Engagement and Support 3 10

together with classes appropriate to the chosen course:

*Naval Architecture and Marine Engineering*

Compulsory Class

NM 324 Principles and Application of Marine Machinery 3 10

*Naval Architecture with Ocean Engineering*

Comopulsory Class

NM 325 Offshore Oil and Gas Production Systems 3 10

Naval Architecture with High Performance Marine Vehicles

Compulsory Class

NM 305 Yacht and Powercraft Design 3 10

**Fourth Year**

12.49.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

NM 423 Seakeeping and Manoeuvring 4 20

NM 402 Theory and Practice of Marine CFD 4 10

21452 Finite Element Analysis of Marine Structures 4 10

together with classes appropriate to the chosen course:

*Naval Architecture and Marine Engineering*

Compulsory Classes

NM 421 Marine Power and Electrical Systems 4 20

NM 428 Marine Engineering Project 4 40

NM 415 Marine Refrigeration and Air Conditioning 4 10

NM 409 Marine Transmission and Propulsion Systems 4 10

*Naval Architecture with Ocean Engineering*

Compulsory Classes

NM 430 Ocean Engineering Project 4 40

NM 404 Ship Structural Dynamics 4 10

NM 435 Structural Reliability 4 10

NM 436 Dynamics of Offshore Structures 4 20

Naval Architecture with High Performance Marine Vehicles

Compulsory Classes

NM 429 High Performance Marine Vehicles Project 4 40

NM 437 High Speed Ships 4 10

NM 438 High Performance Marine Structures 4 20

NM 439 High Performance Sailing Yachts 4 10

**Fifth Year**

12.49.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

NM 502 Group Design Project 5 40

NM 508 Advanced Marine Design 5 20

21520 Waterborne Transportation Systems 5 10

21551 The Marine Regulatory Framework 5 10

NM 522 Renewable Marine Energy Systems 5 10

NM 524 On-board Energy Management and 5 10

Environment Protection

together with classes appropriate to the chosen course:

*Naval Architecture and Marine Engineering*

No fewer than 20 credits chosen from:

21525 Advanced Marine Engineering 5 10

21526 Marine Engineering Simulation & Modelling 5 10

NM 523 Systems Availability and Maintenance 5 10

*Naval Architecture with Ocean Engineering*

No fewer than 20 credits chosen from:

NM 512 Risers and Mooring Lines 5 10

NM 513 Design and Construction of FPSO’s 5 10

NM 523 Systems Availability and Maintenance 5 10

Naval Architecture with High Performance Marine Vehicles

No fewer than 20 credits chosen from:

21518 Computational Free Surface Hydrodynamics 5 10

NM 523 Systems Availability and Maintenance 5 10

NM 526 Dynamics of High Performance Marine Vehicles 5 10

Exceptionally, such other classes as may be approved by the Course Director.

**Progress**

12.49.10 In order to progress to the second year of the course, a student must have accumulated at least 100 credits from the course curriculum.

12.49.11 In order to progress to the third year of the course, a student must have accumulated at least 220 credits from the course curriculum.

12.49.12 In order to progress to the fourth year of the course, a student must have accumulated at least 360 credits from the course curriculum as appropriate.

12.49.13 In order to progress to the fifth year of the chosen course, a student must have accumulated at least 480 credits from the appropriate course curriculum including those for the class *NM 428 Marine Engineering Project* or *NM 430 Ocean Engineering Project* or *NM526 Naval Architecture with High Performance Marine Vehicles Project* as appropriate*.*

**Final Assessment and Classification**

12.49.14 The final classification for the degree of MEng in the chosen course will normally be based on the first assessed attempt at compulsory and specified optional classes taken in the third, fourth and fifth years;

**Award**

12.49.15 **MEng:** In order to qualify for the award of the degree of MEng in the chosen course, a candidate must have accumulated no fewer than 600 credits from the appropriate course curriculum including those for classes *NM 502 Group Design Project* and either *NM 428 Marine Engineering Project* or *NM 430 Ocean Engineering Project* or *NM526 Naval Architecture with High Performance Marine Vehicles Project* as appropriate.

12.49.16

to 12.80 (Numbers not used)

12.81 International Business with Modern Languages

Master in International Business with Modern Languages

Course Regulations

[These regulations are to be read in conjunction with Regulation 12.1]

Status of the Courses

12.81.1 The course is at Integrated Masters level. Transfer to the relevant BA degree is possible at any time, subject to satisfying the appropriate progress regulations.

Mode of Study

12.81.2The course is available by full-time study only.

Place of Study

12.81.3 The course includes study in the fourth year at a Business School or equivalent in the country of the main chosen language.

Principal Subject Requirements

12.81.4 See Regulation 11.80.11.

Curriculum

First Year

12.81.5 Students studying 2 languages will be required to take 140 credits in the first year of study. Students studying 1 language will take 120 credits.

Compulsory Classes Level Credits

BF 101 Management Development Programme 1 1 20

MG 112 Managing in a Global Context 1 20

Optional Classes

Students studying 2 languages will choose 20 credits from the list below. Students studying 1 language will choose 40 credits from the list below:

AG 151 Introduction to Finance and Accounting 1 20

EC 111 Introduction to Economics 1 20

HR 111 Managing People 1 20

MK 111 Introduction to Marketing 1 20

MS112 Business Analysis and Technology 1 20

SH 111 Introduction to Hospitality and Tourism

Management 1 20

Z1 151 Entrepreneurship Theory and Practice 1 20

And for students studying 2 languages, 80 credits in Modern Languages as approved by the Course Director

And for students studying 1 language, 40 credits in Modern Languages as approved by the Course Director

Second Year

12.81.6 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 201 Management Development Programme 2 2 20

MG 213 International Business Analysis 2 20

Principal Subject 1 (Business) 2 40

together with 40 Credits of Modern Languages as approved by the Course Director.

Third Year

12.81.7 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

BF 301 Management Development Programme 3 3 20

MG 315 Managing Across Cultures and Frontiers 3 20

Principal Subject 1 (Business) 3 40

And 40 credits in Modern Languages as approved by the Course Director

Fourth Year

12.81.8 The fourth year will normally be spent at a Business School or equivalent in the country of the main language where the student will attend an approved set of classes or participate in alternative work tasks. During their fourth year, all students are expected to undertake a curriculum that consists of 120 credits, 80 of which should relate to their Business education, including a 20-credit elective at an appropriate level, and a 40 credit project which should be in their chosen Modern Language(s), including an element of language tuition.

Compulsory Classes Level Credits

EX 404 IBML International Exchange 4 120

Fifth Year

12.81.9 All students shall undertake classes amounting to 120 credits as follows:

Compulsory Classes Level Credits

MG 508 Contemporary Issues and Trends

in International Business 5 20

together with

a 40 credit Dissertation at Level 5 in the chosen Principal Business subject, with an international focus,

and

20 credits chosen from list A and 40 credits in the chosen languages as approved by the Course Director

**List A**

Classes Level Credits

AG509 Advanced Derivatives 5 20

AG508 Advanced Portfolio Analysis 5 20

AG507 Asset Pricing 5 20

AG510 Behavioural Finance 5 20

AG511 Corporate Financing 5 20

AG512 Corporate Investment 5 20

AG513 Financial Quantitative Methods 5 20

AG506 International Corporate Governance 5 20

AG514 International Finance Management 5 20

Z1503 International Entrepreneurship 5 20

EC500 Industrial Economics 5 20

HR500 HRM and Employment Relations in

Public Services 5 20

MG500 Contemporary Issues in Management 5 20

MG501 Strategy and Leadership 5 20

MG502 Management, Enterprise and the Rise of the

Global Economy 5 20

MG505 An Introduction to Social Research Methods for 5 20

Business (Management)

MG506 An Introduction to Social Research Methods for 5 20

Business (HTM)

MG507 Dynamics of Organising 5 20

MS508 Management Science 4 5 20

MK500 Brand Management 5 20

HR501 Advanced Organisation Behaviour 5 20

EC505 Macroeconomics 5 20

EC504 Behavioural Economics 5 20

EC507 Microeconomics 5 20

EC506 Applied Econometrics 5 20

EC508 Financial Development and Economic Growth 5 20

EC503 Natural Resource, Environmental Energy and

Energy Econometrics 5 20

Progress

12.81.10 In order to progress to the second year of the course, a student must have accumulated at least 120 credits from the course curriculum.

12.81.11 In order to progress to the third year of the course, a student must have accumulated at least 240 credits from the course curriculum

12.81.12 In order to progress to the fourth year of the course, a student must have accumulated no fewer than 360 credits from the course curriculum.

12.81.13 In order to progress to the fifth year of the course, a student must have accumulated no fewer than 480 credits from the course curriculum.

12.81.14 Candidates should note that there is no corresponding BA with Honours degree available. Therefore, any candidate who fails to satisfy the progress requirements on to level five will be transferred to level three of the BA in International Business with Modern Languages degree, and any credits they may have accumulated at Level Four will not be considered in the degree (but they will be recorded as ‘personal credits’ on their transcript). Candidates who complete Level Four to the satisfaction of the Board of Examiners but who are unable due to personal reasons to progress to level 5, may be considered for an exit award of BA Honours (unclassified) in International Business with Modern Languages– this is an exit award only and is awarded subject to the discretion of the Board of Examiners.

Final Assessment

12.81.15 On successful completion of the fifth year, a candidate will be awarded 120 Level 5 credits corresponding to the classes taken.

Award

12.81.16 **Masters:** In order to qualify for the award of the degree of Masters in International Business with Modern Languages, a candidate must have obtained no fewer than 600 credits from the course curriculum.

12.81.17 **Distinction in the Spoken Language(s):** A candidate who qualifies for the award of a Masters in International Business with Modern Languages degree and who has, according to prescribed criteria and in the opinion of the Board of Examiners, attained a high level of performance in the oral Modern Language examination(s) may be awarded the Masters degree with distinction in the spoken language(s).

Transfer

12.81.18 A candidate who fails to satisfy the progress or award requirements for the degree of Masters may be transferred to the degree of BA in International Business with Modern Languages.

Transfer to the BA in Business or the BA in International Business will be considered for students who fail to satisfy the Board of Examiners in the Modern Language.

13.1 Elective Classes

[Note: the following list of elective classes is not exhaustive but consists of those classes which are offered only as electives and which are not recorded elsewhere in the course regulations]

Level Credits

16 130 Introduction to Engineering 1 10

17 120 Introduction to Geology 1 10

17 141 Transportation 1 10

22 147 Freehand Drawing 1 1 10

22 158 Introduction to Computing 1 10

22 159 IT Skills Induction Programme 1 10

23 101 Pharmaceutical sciences and Drug Development 1 10

52 226 Approaches to Multimedia 1 10

57 102 Herbal Medicines 1 10

65 101 Biomedical Engineering 1 10

AG 103 Introduction to Accounting 1 10

AG 104 Introduction to Finance 1 10

CA 123 Music in Society 1 10

CH 110 Practical Chemistry Skills 1 10

CU 101 Using ICT to Enhance Teaching and Learning of   
People in the Past 1 10

EN 101 Disability and Society 1 10

EN 104 Understanding and Responding to Challenging  
Behaviour 1 10

EN 105 Understanding Inclusive Education 1 10

H2 101 Sustainable Development by Topic Study 1 10

H4 101 Disability and Society 1 10

LE 101 Celtic Studies 1 10

LE 102 Gaelic Language, Culture and Arts 1 10

MM 106 Essential Statistics 1 10

MM 107 Data Analysis and Protection 1 10

MM 108 Applying Mathematics 1 1 10

MM 109 Applying Mathematics 2 1 10

MM 118 Foundation Statistics 1 10

MT 103 Science and Technology Today 1 10

PE 113 Sustainable Development 1 10

SC 103 Introduction to Creative Arts 1 1 10

SC 104 Pottery for Beginners 1 10

SC 122 Challenging Learning 1: An Introduction 1 10

X5 134 Improve your Powers of Communication 1 10

X5 135 Technological Education in Scotland 1 10

X7 107 Understanding and Supporting Childhood (Sem 1) 1 10

X9 102 Understanding and Supporting Childhood (Sem 1) 1 10

XF 102 Information and Communication Technology 1 10

XF 108 Digital Photography 1 (Semester 1) 1 10

XF 109 Digital Photography 1 (Semester 2) 1 10

L5 113 International Perspectives in Social Work 1 20

XF 126 Digital Photography and Image Manipulation 1 20

L5 114 Understanding and Responding to Domestic

Abuse 1 20

R1 107 French 1 (Beginners) 1 20

R4 107 Spanish 1 (Beginners) 1 20

R2 100 German 1 (Beginners) 1 20

R8 100 Portuguese 1 (Beginners) 1 20

R3 116 Italian 1 (Beginners) 1 20

R7 100 Polish 1 (Beginnners) 1 20

EL 100 Proficiency English 1 20

EL 101 Intermediate English 1 20

EL 102 Advanced English 1 20

18 250 Introduction to Process Biotechnology 2 10

22 246 Architectural Workshop 2 2 10

22 247 Freehand Drawing 2 2 10

22 260 Introduction to AutoCAD 2 10

53 202 Statistics for Engineers 2 10

CA 223 Broadcasting: Radio and On-line 2 20

MM 212 Mathematics 2 2 10

MM 217 Mathematics 2M 2 10

OS 475 Digital Photography 2 – The Digital Dark Room 2 10

SC 219 Multi-Disciplinary Outdoor Learning 2 10

SC 241 Video Production 2 20

SC 242 Video Animation 2 20

XF 201 Social Justice in Professional Roles 2 10

R1 113 French 2 (Lower Intermediate) 2 20

R4 112 Spanish 2 (Lower Intermediate) 2 20

R2101 German 2 (Lower Intermediate) 2 20

R8 101 Portuguese 2 (Lower Intermediate) 2 20

R3 117 Italian 2 (Lower Intermediate) 2 20

R7101 Polish 2 (Lower Intermediate) 2 20

17 359 Interdisciplinary Project 1 3 10

17 360 Interdisciplinary Project 2 3 20

ED 314 Art and Childhood 3 10

Z1 116 Entrepreneurship: Implementing

Entrepreneurship 3 20

Z1 313 Social and Community Enterprise Volunteering 3 20

QQ 324 TextLab 3

R1 393 French 3 (Intermediate/Lower Intermediate) 3 20

R4 376 Spanish 3 (Intermediate/Lower Intermediate) 3 20

R2 361 German 3 (Intermediate/Lower Intermediate) 3 20

R8 300 Portuguese 3 (Intermediate/Lower Intermediate) 3 20

R3 396 Italian 3 (Intermediate/Lower Intermediate) 3 20

R7 300 Polish 3 (Intermediate/Lower Intermediate) 3 20

18 417 Chemical Engineering Project (*\* available to*

*incoming exchange students only)* 4 20

22 465 Generative Design Systems 4 10

SC 409 Art in the Environment 4 10

X8 401 Personal Development in a Professional Context 4 10

QQ 407 TextLab 4

13.2 Research Training and Instructional Classes

[Note: the following list of Research Training and Instructional Classes is not exhaustive but consists of those classes which are not recorded elsewhere in the Course Regulations]

CH 902 Research Training and Instruction 5 25

CH 903 Supplementary Research Training and Instruction 5 5

CH 904 Supplementary Research Training and Instruction 5 10

CH 905 Research Training and Instruction (MPhil) 5 15

CH 905 Research Training and Instruction 5 15

Z1 932 Technology Commercialisation and New

Business Development 5 10

PH 966 Becoming an Engaging Researcher 5 10

13.3 Continuing Professional Development Classes

[Note: the following list of Continuing Professional Development Classes is not exhaustive. It consists of classes which are not recorded elsewhere in the course regulations]

MS 924 Spreadsheet Modelling and Demand

Forecasting 5 10

MS 925 Strategy Modelling and Management 5 10

MS 940 Foundations of Operational Research and

Business Analysis 5 5

MS 941 Foundations of Quantitative Business Analysis 5 5

MS 942 Quantitative Business Data Analysis 5 5

MS 943 Deterministic Operational research Algorithms 5 5

MS 944 Modelling with Uncertainty 5 5

MS 945 System Dynamics 5 5

MS 946 Discrete Event Simulation 5 5

MS 947 Multi-criteria Decision Analysis and Game Theory 5 5

MS 948 Decision Analysis with Bayes Nets 5 5

MS 949 Fundamentals of Risk Analysis 5 5

MS 955 Problem Structuring Methods 5 5

MS 9XX Managing Business Operations 5 5

MP 969 Researcher Skills Training 1 5 10

MP 970 Researcher Skills Training 2 5 15

SF 928 Organisation of the University of Strathclyde

Research Day 5 15

Changes and restrictions to the Course Regulations are made from time to time and the University reserves the right to add, amend or withdraw courses and facilities, to restrict student numbers and to make any other alterations, as it may deem necessary and desirable. Changes are published by incorporation in the next edition of the University’s Course Regulations.

Any queries about the contents of the Course Regulations should be directed to the Education Quality and Policy Manager, Education Enhancement, University of Strathclyde, Glasgow G1 1XQ (Telephone 0141 548 4967, e-mail [regulations-amendments@strath.ac.uk](mailto:regulations-amendments@strath.ac.uk))