Mathematical, Physical, and Life Sciences Division

Approved by the MPLS Academic Audit Committee and by the University’s Education Committee

**Title of Programme:** Honour school of Mathematics, joint schools with the honour school of Mathematics, and the honour school of Computer Science

**Brief note about nature of change:** See below

**Effective date**

With effect from 1. October 2013

**Location of change**

See below

**Detail of change**

See below

**Explanatory Notes**

See below

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SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATHEMATICS

Location of change:

Examination Regulations 2012, p327, line 15 to p 328 line 18
http://www.admin.ox.ac.uk/examregs/11-30ab_S_R_H_S_OF_MATHEMATICS.shtml

Explanatory notes

Changes are being made to the second and fourth year of the Mathematics FHS. The changes to the second year constitute a rationalization of syllabi and/or movement of some material from the second year to the third year and vice versa, reflecting either broad general trends in mathematics or more local changes in the Mathematics Faculty.

Workload in the fourth year (Part C) in the MMath undergraduate degree will be increased to better equip students for progression to PhDs, and to bring workload into line with fourth years at other high-ranking institutions such as Cambridge, Imperial and Warwick. The change will also bring workload more into line with the fourth years of other MPLS degrees and the various Mathematics department one year taught course MScs.

The current fourth year for single honours Mathematics includes 6 “half-units” (each courses of 16 lectures or equivalent). Mathematics proposes to increase this to 8 “half-units” with effect from 2013-14.

Change (inserted text underlined, deleted text scored through)

B

1. In Part A each candidate shall be required to offer the four A1, A2, ASO and five papers from A3-A11 written papers from the schedule of papers for Part A (see ‘Schedule’ below).

2. In Part B each candidate shall offer a total of eight units from the schedule of units and half units for Part B (see below).

   (a) A total of at least three six units offered should be from the schedule of Mathematics Department units.

   (b) Candidates may offer one unit a double unit which is an Extended Essay or a Structured Project.

3. In Part C each candidate shall offer a total of three eight units from the schedule of units and half units for Part C (see below).

   (a) All three eight units offered should be from those designated as M level.

   (b) A total of at least two six of the units offered should be from the schedule of Mathematics Department units.
(c) Candidates may offer either one whole-unit or one half-double unit which is a Dissertation. If the Dissertation is a mathematical topic this would be offered under the schedule of Mathematics Department units. If the Dissertation is on a mathematics-related topic, this would be offered under the schedule of 'other units'.

4. No candidate shall offer any unit or half-unit for Part C that he or she has also offered in Part B.

5. The use of calculators is generally not permitted for written papers. However, their use may be permitted for certain exceptional examinations. The specification of calculators permitted for these exceptional examinations will be announced by the Examiners in the Hilary Term preceding the examination.

**Schedule**

**Papers in Part A**

A1 Algebra 1 and Differential Equations 1  
A2 Metric Spaces and Complex Analysis  
A3 Algebra 2  
A4 Integration  
A5 Topology  
A6 Differential Equations 2  
A7 Numerical Analysis  
A8 Probability  
A9 Statistics  
A10 Waves and Fluids  
A11 Quantum Theory  
ASO Short Options

1. AC1 Algebra, Analysis and Differential Equations  
2. AC2 Algebra, Analysis and Differential Equations  
3. AO1 Options  
4. AO2 Options

Syllabus details will be published in the Course Handbook by the beginning of the Michaelmas Full Term in the academic year of the examination for Part A.

**Units and half-units for Part B and Part C**

The final list of units and half-units will be published in the Course Handbook by the beginning of the Michaelmas Full Term in the academic year of the examination concerned, together with the following details.

1. Designation as either 'H' level or 'M' level.

2. 'Weight' as either a whole-unit or double-half-unit.

3. Method of assessment. Details of methods of assessment for Other Mathematics or Other Non-Mathematical units or half-units will be given elsewhere. Some options may
require assessment by oral presentation. The Course handbook will indicate where such details will be specified.

4. Rules governing submission of any extended essay, dissertation or mini-project, including deadlines, provided that these shall always be submitted to the Chairman of Examiners, Honour School of Mathematics, c/o Examination Schools, High Street, Oxford. In addition an electronic copy must be submitted to the Mathematical Institute’s website, details will be included in the relevant Notice to Candidates. No part of any extended essay, dissertation or mini-project submitted may include work previously submitted for this or any other degree.

5. Syllabus content.

6. Whether there is a requirement to register or apply for a place to take a unit or half unit, and details of any registration or application procedure.
SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATHEMATICS & COMPUTER SCIENCE

Location of change:

Examination Regulations 2012, p331, line 3 to p 332 line 20

http://www.admin.ox.ac.uk/examregs/11-30ac_S_R_H_S_OF_MATHEMATICS_AND_COMPUTER_SCIENCE.shtml

Explanatory notes

These changes are to accommodate the changes taking place in the second year of the Mathematics side of the programme.

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B

The syllabus for each of Parts A, B, and C will be published by the Computing Laboratory Department of Computer Science in a handbook for candidates by the beginning of Michaelmas Full Term in the academic year of the examination concerned. The duration of each optional paper will be specified in the Course Handbook.

The use of calculators is generally not permitted but certain kinds may be allowed for certain papers. Specifications of which papers and which types of calculators are permitted for those exceptional papers will be announced by the examiners in the Hilary Term preceding the examination.

1. In Part A of the examination, candidates shall be required to offer, from the Mathematics Schedule, papers A1(CP), A2, and either two papers from papers A3-A5, A7-A11 or one paper from A3-A11 and paper ASO; four papers as follows:

   AC1(MC) Algebra, analysis and differential equations;
   AC2(MC) Algebra, analysis and differential equations;
   AO1(MC) Mathematics options;
   AO2(MC) Mathematics options.

   A1 (CP) Algebra 1 and Differential Equations 1
   A2 Metric Spaces and Complex Analysis
   A3 Algebra 2
   A4 Integration
   A5 Topology
   A6 Differential Equations 2
   A7 Numerical Analysis
   A8 Probability
   A9 Statistics
   A10 Waves and Fluids
   A11 Quantum Theory
   ASO Short Options
In papers AC1(MC) and AC2(MC), candidates will be permitted to answer questions on two of the three subjects of the paper. Papers AC1(MC) and AC2(MC) will each be of two hours’ duration; papers AO1(MC) and AO2(MC) will each be of one and a half hours’ duration. Candidates shall also be required to offer four subjects from Schedule A (MC) in the Course Handbook. The manner of examining the subjects in Schedule A (MC) shall be the same as that prescribed for the same subject in the Honour School of Computer Science.

2. In Part B of the examination, each candidate shall be required to offer eight optional subjects from Schedules B1–B5 in the Course Handbook, subject to the conditions that:
   (a) no candidate shall offer any subject from Schedule B1 that he or she has already offered in Part A of the examination.
   (b) each candidate shall offer no more than two subjects from Schedule B1.
   (c) each candidate shall offer no more than two subjects from Schedules B4 and B5.
   (d) each candidate shall offer at least two subjects from Schedules B1 and B2.
   (e) each candidate shall offer at least two subjects from Schedule B3.

Each optional subject in Schedules B1, B2 and B4 shall be examined by a written paper or by a mini-project. The manner of examining each subject in Schedules B3 and B5 shall be the same as that prescribed for the same subject in the Honour School of Mathematics. Each ‘whole unit’ in schedules B3 and B5 shall be regarded as equivalent to two-one subjects in the examination, and each ‘half-double unit’ shall be regarded as equivalent to one-two subjects.

3. In Part C of the examination, each candidate shall be required to offer four optional subjects from Schedules C1 and C2 in the Course Handbook, subject to the condition that no candidate shall offer any subject that he or she has already offered in Part B of the examination. Each optional subject in Schedule C1 shall be examined by a written paper or by a mini-project. The manner of examining each subject in Schedule C2 shall be the same as that prescribed for the same subject in the Honour School of Mathematics. Each ‘whole unit’ in schedule C2 shall be regarded as equivalent to two subjects in the examination, and each ‘half unit’ shall be regarded as equivalent to one subject.

In addition, each candidate in Part C of the examination shall submit a report on a Computer Science project or a Mathematics dissertation. In Part C of the examination, each candidate shall be required to either offer six optional subjects from Schedules C1 and C2 in the Course Handbook and submit a Mathematics dissertation, or offer five optional subjects from Schedules C1 and C2 in the Course Handbook and submit a report on a Computer Science project, subject to the condition that no candidate shall offer any subject that he or she has already offered in Part B of the examination. Each optional subject in Schedule C1 shall be examined by a written paper or by a mini-project. The manner of examining each subject in Schedule C2 shall be the same as that prescribed for the same subject in the Honour School of Mathematics. Each ‘unit’ in schedule C2 shall be regarded as equivalent to one subject in the examination, and each ‘double unit’ shall be regarded as equivalent to two subjects.

4. The schedules of optional subjects for Parts A, B, and C of the examination shall be approved by the Faculty of Mathematics and the Faculty of Computer Science, and shall be published in the Course Handbook.

5. The examiners shall have power to combine two papers on related optional subjects into a single paper for those candidates who offer both the optional subjects concerned.
6. In Part C of the examination, each candidate shall carry out a Computer Science project or a Mathematics dissertation on a topic approved by the Teaching Committee. Each project or dissertation will be supervised by a member of the Faculty of Computer Science, the Faculty of Mathematics or the Faculty of Engineering Science, or by some other person of equivalent seniority approved by the Teaching Committee. Two copies of a report of the project or dissertation shall be submitted to the Chairman of the Examiners, Honour School of Mathematics and Computer Science, c/o Examination Schools, High Street, Oxford, by the date given in the Course Handbook. In addition for the Mathematics dissertations an electronic copy must be submitted to the Mathematical Institute’s website, details will be included in the relevant Notice to Candidates. Rules concerning the form of the report will be published in the Course Handbook. In retaking Part C of the examination, projects or dissertations previously submitted for the examination may be resubmitted. No project or dissertation may be resubmitted if it has already been submitted, wholly or substantially, for another honour school or degree of the University, or of any other institution.
SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF COMPUTER SCIENCE:
PART A

Location of change:

Examination Regulations 2012, p. 201, lines 10 - 11
http://www.admin.ox.ac.uk/examregs/11-30h_S_R_H_S_OF_COMPUTER_SCIENCE.shtml

Explanatory notes

As Computer Science students no longer take the core Logic and Proof course in their first year, it has been agreed that it will become a core course for the second year. Students will now take four core courses (Concurrent Programming, Models of Computation, Object-Oriented Programming and Logic & Proof) and four optional courses from Schedule A.

Change (Inserted text underlined, deleted text scored through.)

1. In Part A of the examination, candidates shall be required to offer three four core subjects and five four optional subjects from Schedule A in the Course Handbook.
SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF COMPUTER SCIENCE:
PART C

Location of change:
Examination Regulations 2012, p201, line 26 – 31

http://www.admin.ox.ac.uk/examregs/11-30h_S_R_H_S_OF_COMPUTER_SCIENCE.shtml

Explanatory notes

A change in Mathematics & Computer Sciences Part C has been agreed with Mathematics, who wanted to increase the load in the 4th year so that it was in-line with other 4-year degrees in the UK. For Mathematics & Computer Science it has been agreed that a Computer Science project is equivalent to 3 units and the Maths dissertation equivalent to 2 units (hence the difference in number of courses depending on which the student chooses). This load increase has then been reflected in Part C for Computer Science, to ensure that they are comparable.

Change (Inserted text underlined, deleted text scored through).

3. In Part C of the examination, each candidate shall be required to offer four-five optional subjects from Schedule C1 in the Course Handbook, subject to the condition that no candidate shall offer any subject that he or she has already offered in Part B of the examination. Each optional subject shall be examined by a written paper or by a mini-project. In addition, each candidate in Part C of the examination shall submit a project report
SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF COMPUTER SCIENCE AND PHILOSOPHY: PART C

Location of change:

Examination Regulations 2012, p203, line 46 to p204 line 19

http://www.admin.ox.ac.uk/examregs/11-30h2_S_R_H_S_OF_COMPUTER_SCIENCE_AND_PHILOSOPHY.shtml

Explanatory notes

Students will be required to take between 24 and 26 units. Each Computer Science course will be counted as a three units, each Philosophy taught course will be counted as eight units, each Computer Science project will count as nine units and each Philosophy thesis will count as eight units. Students will not be permitted to take more than six Computer Science courses and no student will be permitted to take both a Computer Science project and a Philosophy Thesis. This is to ensure a comparable workload with Computer Science, Mathematics & Computer Science, Mathematics & Philosophy and Mathematics 4th years.

Change (Inserted text underlined, deleted text scored through)

3. In Part C each candidate shall offer a total of three between 24 and 26 units chosen in any combination from the lists of taught courses for Computer Science and for Philosophy, a Computer Science project or a Philosophy thesis subject to the following constraints.

- No candidate may take more than six Computer Science taught subjects;
- No candidate may offer both a Computer Science project and a Philosophy thesis.

The taught subjects in Computer Science shall be published in a schedule, C(CS&P), in a supplement to the Course Handbook by the beginning of the Michaelmas Full Term in the academic year of the examination concerned. Each such subject shall be examined by a written paper or by a mini-project and shall count as a half unit.

Each taught Philosophy subject shall be one of the subjects 101–120, 122, 124, 125 and 180 from the list given in Special Regulations for All Honour Schools Including Philosophy, and subject to the regulations therein. Each such subject shall be assessed by a 3-hour written examination together with an essay of at most 5,000 words, conforming to the rules given in the Course Handbook. Each such subject shall count as a full unit.

No candidate shall offer any taught subject that he or she has already offered in Part B of the examination.

A Computer Science project shall be as specified for the Honour School of Computer Science, and shall count as a full unit. A Philosophy thesis shall be as specified in the Regulations for Philosophy in all Honour Schools including Philosophy (subject 199) except that the thesis shall not exceed 20,000 words, and shall count as a full unit. No candidate may offer both a Computer Science project and a Philosophy thesis.
SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATHEMATICS & PHILOSOPHY

Location of change:

Examination Regulations 2012, p333, line 4 to p337 line 42

http://www.admin.ox.ac.uk/examregs/11-30ad_S_R_H_S_OF_MATHEMATICS_AND_PHILOSOPHY.shtml

Explanatory notes

Changes have been made to ensure consistency with the Part A changes to Mathematics, to incorporate the electronic submission of Mathematics written assessments, and to increase the entry level to Part C. There are no changes to workload in Part C.

Change (Inserted text underlined, deleted text scored through).

A

In the following ‘the Mathematics Course Handbook’ refers to the Mathematics Undergraduate Handbook and supplements to this published by the Teaching Committee of the Department of Mathematics and also posted on the website at: http://www.maths.ox.ac.uk/current-students/undergraduates/handbooks-synopses/.

1. All candidates shall be examined in Mathematics and in Philosophy.

2. No candidate shall be admitted to the examination in this School unless he or she has either passed or been exempted from the First Public Examination.

3. (a) The examination in Mathematics and Philosophy shall consist of three parts: Part A, Part B and Part C.
   (b) Parts A, B and C shall be taken at times not less than three, six, and nine terms, respectively, after passing or being exempted from the First Public Examination.
   (c) Part A shall be taken on one occasion only. No candidate shall enter for Part B until he or she has completed Part A of the examination.

4. (a) In order to proceed to Part C, a candidate must achieve upper second class Honours or higher in Parts A and B together.
   (b) A candidate who obtains only a Pass or fails to satisfy the Examiners in Part C may enter again for Part C on at most one subsequent occasion.
(c) A candidate who has obtained Honours in Parts A and B together or has satisfied the examiners but has not obtained Honours in Parts A and B together is permitted to supplicate for the degree of Bachelor of Arts in Mathematics and Philosophy. A candidate who has achieved upper second class Honours or higher in Parts A and B together and who takes the examination in Part C and fails to obtain Honours in Part C, is permitted to supplicate for the Honours degree of Bachelor of Arts in Mathematics and Philosophy with the classification obtained in Parts A and B together; provided that no such candidate may later enter or re-enter the Part C year or supplicate for the degree of Master of Mathematics and Philosophy; and provided in each case that the candidate has fulfilled all the conditions for admission to a degree of the University.

(d) A candidate who has achieved upper second class Honours or higher in Parts A and B together, and achieves Honours in Part C may supplicate for the Honours degree of Bachelor of Arts in Mathematics and Philosophy provided that the candidate has fulfilled all the conditions for admission to a degree of the University.

5. The Examiners shall classify and publish the combined results of the examinations in Part A and Part B, and in respect of candidates taking the four-year course shall separately classify and publish results in Part C.

6. The examinations in this school shall be under the joint supervision of the Divisional Board of Mathematical, Physical and Life Sciences and the Board of the Faculty of Philosophy, which shall appoint a standing joint committee to make regulations concerning it, subject in all cases to clauses 1-4 above.

7. (a) The Public Examiners for Mathematics in this school shall be such of the Public Examiners in the Honour School of Mathematics as may be required, not being less than three; those for Philosophy shall be appointed by a committee whose three elected members shall be appointed by the Board of the Faculty of Philosophy.

(b) It shall be the duty of the chairmen of the Public Examiners in Parts A, B and C of the Honour School of Mathematics to designate such of their number as may be required for Mathematics in the Honour School of Mathematics and Philosophy, and when this has been done and the examiners for Philosophy have been nominated, the number of the examiners in Mathematics and Philosophy shall be deemed to be complete. No examiners for Philosophy will be required in Part A of the examination.

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B

1. In Part A each candidate shall be required to offer the four written papers in Mathematics from the Schedule of papers for Part A (See ‘Schedule’ below). Each of papers AC1(P) and AC2(P) shall be of 2 hours duration and each of papers AO1(P) and AO2(P) shall be of 1½ hours duration. In Part A, each candidate shall be required to offer, from the Mathematics Part A Schedule (see below), papers A1(CP), A2, and either two papers from papers A3,A4, A5, A8 or one paper from papers A3,A4,A5,A8 and paper ASO.

2. The examination for Part B shall consist of units in Mathematics and subjects in Philosophy. The schedule of units in Mathematics shall be published in Mathematics and Philosophy Synopses of lecture courses supplement to the Mathematics Course
Handbook by the beginning of the Michaelmas Full Term in the academic year of the examination concerned. The schedule shall be in two parts: Schedule 1 (standard units and half-units) and Schedule 2 (additional units and half-units). In Philosophy the subjects shall be subjects 101–118, 120, 122, 124, 125 and 199 from the list given in Special Regulations for All Honour Schools Including Philosophy. Each subject in Philosophy other than a Thesis shall be examined in one 3-hour paper. Each candidate shall offer:

(i) Two units four units of Mathematics from Schedule 1, one two of which shall be B1a Logic and B1b Foundations Logic and Set Theory.

(ii) Three subjects in Philosophy from 101–118, 120, 122, 124 and 125, of which two must be 122 and either 101  or 102, and

(iii) Either one two further units in Mathematics drawn from Schedule 1 and 2 combined or one further subject in Philosophy from subjects 101–118, 120, 124 and 199: Thesis.

3. In Part C each candidate shall offer a total of three units chosen in any combination from the lists for Mathematics and for Philosophy. The schedule of units in Mathematics shall be published in the Mathematics and Philosophy Synopses of lecture courses supplement to the Mathematics Course Handbook by the beginning of the Michaelmas Full Term in the academic year of the examination concerned. Units in Mathematics are taken from the schedule of units and half-units for Part C of the Honour School of Mathematics (see ‘Schedule’ below). No unit or half unit in Mathematics, and no subject in Philosophy, may be offered in both Part B and Part C. A unit in Philosophy consists of one of the subjects 101-18, 120, 124, 125 and 180 as specified in the Regulations for Philosophy in all Honour Schools including Philosophy, or a Special Subject in Philosophy as approved by the Joint Committee for Mathematics and Philosophy by regulations published in the University Gazette and communicated to college tutors by the end of the fifth week of Trinity Term in the year before the Part C examination in which it will be examined, or a Thesis as specified below. No candidate may offer more than one Special Subject in Philosophy in Part C. In approving a Special Subject in Philosophy for Part C, the Joint Committee for Mathematics and Philosophy may specify that candidates will not be permitted to offer certain special subjects in combination with certain other subjects, or will be permitted to do so only on condition that in the papers on the other subjects they will not be permitted to answer certain questions. Subject to these qualifications, any candidate may offer any special subject. Each unit in Philosophy other than a Thesis shall be examined by a three-hour written paper together with an essay of at most 5,000 words. The relative weight of the essay to the three-hour exam shall be 1 to 3, i.e. the essay shall count for 25% of the mark in that subject. No essay shall exceed this word limit, which includes all notes and appendices, but not the bibliography. The word count should be indicated on the front of the essay. There shall be a select bibliography or a list of sources. All essays must be typed in double spacing on one side of quarto or A4 paper, with footnotes rather than endnotes. Candidates should avoid any substantial repetition of material between examination scripts and examination essays. The topic for a Philosophy examination essay in a given subject can be any question set for the most recent examination of that subject in Honour Schools with Philosophy, with the exception of questions for Plato Republic (115) and Aristotle Nicomachean Ethics (116) consisting of multiple passages for comment. Candidates may apply for approval of other essay topics by writing to the Chairman of the Board, c/o the Administrator, Philosophy Centre, 10 Merton Street, giving the title he or she proposes, together with an explanation of the subject in about 100 words and enclosing a letter from their tutor attesting to the suitability of this topic.
for the candidate. Any such application must be received no later than Friday of the sixth week of the Hilary Term preceding the Part C examination for which the essay is to be submitted. Late applications will not be considered. Any such application shall be accepted or rejected by the Board within two weeks of its being received.

Each essay shall be the candidate's own work, though it should show knowledge of relevant literature in the subject and may include passages of quotation or paraphrase so long as these passages are clearly indicated as such and the source properly attributed. The candidate may discuss a first draft of the essay with his or her tutor for that subject. The amount of assistance the tutor may give shall be limited to what can be provided in one of the candidate's tutorials for their study of that subject. For each essay the candidate shall sign a statement to the effect that the essay is his or her own work and the tutor shall also sign a statement confirming that, to the best of his or her knowledge and belief, this is so. These statements shall be placed in a sealed envelope bearing the candidate's examination number and the name of the subject for which the essay has been written and presented with two copies of each essay. Each copy of an essay shall be identified only by the candidate's examination number and bear the name of the Philosophy subject for which the essay is being submitted and must be submitted not later than noon on Friday of the first week of the Trinity Full Term of the examination to the Examination Schools, High Street, Oxford, addressed to the Chairman of the Examiners for Part C of the Final Honour School of Mathematics and Philosophy.

**Philosophy Thesis**

1. **Subject** The subject of every thesis should fall within the scope of philosophy. The subject may but need not overlap any subject on which the candidate offers papers. Candidates should avoid substantial repetition in examination scripts or examination essays of material from their theses. No part of a Philosophy thesis submitted for Part C may include work submitted for this or any other degree. Every candidate shall submit through his or her college for approval by the Board of the Faculty of Philosophy the title he or she proposes, together with an explanation of the subject in about 100 words; and a letter of approval from his or her tutor, not earlier than the first day of Trinity Full Term of the year before that in which he or she is to be examined and not later than Friday of the fourth week of the Michaelmas Full Term preceding his or her examination. Applications for approval of subject should be directed to the Chairman of the Board, c/o The Administrator, Philosophy Centre, 10 Merton Street. The Board shall decide as soon as possible whether or not to approve the title and shall advise the candidate immediately. No decision shall be deferred beyond the end of the fifth week of Michaelmas Full Term. If a candidate wishes to change the title of his or her thesis after a title has already been approved by the Board, he or she may apply for such permission to be granted by the Board. Applications should be directed to the Chairman of the Board (if the application is made before the first day of Hilary Full Term preceding the examination). If later than the first day of Hilary Full Term preceding the examination application for change of title should be made to the Chairman of Examiners for Part C of the Final Honour School of Mathematics and Philosophy.

2. **Authorship and origin** Every thesis shall be the candidate's own work. A candidate's tutor may, however, discuss with the candidate the field of study, the sources available, and the method of presentation; the tutor may also read and comment on drafts. The amount of assistance the tutor may give is equivalent to the teaching of a normal paper. Every candidate shall sign a certificate to the effect that the thesis is his or her own work and the tutor shall countersign the certificate confirming, to the best of his or her knowledge and belief, that this is so. This certificate shall be placed in a sealed envelope bearing the candidate's examination number presented together with the thesis. No
thesis shall be accepted which has already been submitted for a degree of this or any
other university, and the certificate shall also state that the thesis has not been so
submitted. No thesis shall, however, be ineligible because it has been or is being
submitted for any prize of this university.

3. **Length and format** No thesis shall exceed 20,000 words, the limit to include all notes
and appendices, but not including the bibliography; no person or body shall have
authority to permit any excess. The word count should be indicated on the front of the
thesis. There shall be a select bibliography or a list of sources. All theses must be typed
in double spacing on one side of quarto or A4 paper, with any notes and references at
the foot of each page. Two copies of the thesis shall be submitted to the examiners.

4. **Submission of thesis** Every candidate shall submit two copies of their thesis, identified
by the candidate's examination number only, not later than noon on Friday of the week
before the Trinity Full Term of the examination to the Examination Schools, High Street,
Oxford, addressed to the Chairman of the Examiners for Part C of the Final Honour
School of Mathematics and Philosophy.

5. The highest honours can be obtained by excellence either in Mathematics or in
Philosophy provided that adequate knowledge is shown in the other subject of the
examination.

6. The use of calculators is generally not permitted for written papers. However, their use
may be permitted for certain exceptional examinations. The specification of calculators
permitted for these exceptional examinations will be announced by the Examiners in the
Hilary Term preceding the examination.

**Schedule**

**Papers in Part A**

- AC1(P) Algebra and Analysis
- AC2(P) Algebra and Analysis
- AO1(P) Options
- AO2(P) Options
- A1 (CP) Algebra 1
- A2 Metric Spaces and Complex Analysis
- A3 Algebra 2
- A4 Integration
- A5 Topology
- A8 Probability
- ASO Short Options

Syllabus details will be published in the Mathematics Course Handbook by the beginning of
the Michaelmas Full Term in the academic year of the examination for Part A.

**Units and half units in Mathematics for Part B and Part C**

The final list of units and half units, along with synopses and other details, will be approved
by the Mathematics Teaching Committee and published in the Mathematics Course
Handbook by the beginning of Michaelmas Full Term in the academic year of the
examination concerned.
The list of units and half-units for Part C shall include units in Mathematical Logic as specified by the Joint Committee for Mathematics and Philosophy.
SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATHEMATICS & STATISTICS

Location of change:
Examination Regulations p 340 line 18 to p 341 line 19

http://www.admin.ox.ac.uk/examregs/11-30ae_S_R_H_S_OF_MATHEMATICS_AND_STATISTICS.shtml

Explanatory notes

- Part A: changes since the structure of Part A is changing.
- Part C:
  - changes since the workload in Part C is increasing. The current fourth year includes 4 “half-units” (each courses of 16 lectures or equivalent) and a mandatory project worth 2 “half-units”. This will increase to 5 “half-units” and a mandatory project worth 3 “half-units”.
  - changes to require both paper and electronic copies and allow use of Turnitin for plagiarism screening of dissertations
- Units for Parts B and C: changes since Statistics (and Mathematics) will now call a 16-lecture course a “unit” (where previously Statistics called 16 lectures a half-unit).

Change (Inserted text underlined, deleted text scored through).

B

1. In Part A each candidate shall be required to offer the four written papers from the schedule of papers for Part A (see “Schedule” below) - In Part A each candidate shall be required to offer Papers A1, A2, A8, A9, ASO and three papers from A3-A7 and A10-A12 (see “Schedule” below).

2. In Part B each candidate shall offer a total of eight four units from the schedule of units and half units for Part B (see below).
   - (a) Each candidate shall offer the double unit BS1.
   - (b) Each candidate shall offer a total of at least one two units from the units and half-units BS2 and BS3.
   - (c) Each candidate may offer a total of at most two one units from BS4 and the schedule of ‘Other units and half-units’.
   - (d) Each candidate may offer at most one double unit which is an Extended Essay or Structured Project.

3. In Part C each candidate shall offer a total of five two units from the schedule of units and half units for Part C (see below), and each candidate shall also offer a dissertation on a statistics project.
   - (a) The two five units offered should be from those designated as M level.
   - (b) At least half-a-one unit should be offered from the schedule of ‘Statistics’ units.

4. No candidate shall offer any unit or half-unit for Part C that he or she has also offered in Part B.

5. The use of calculators is generally not permitted for written papers. However, their use may be permitted for certain exceptional examinations. The specification of calculators
permitted for these exceptional examinations will be announced by the Examiners in the Hilary Term preceding the examination.

Schedule

Papers in Part A

- AC1 Algebra, Analysis and Differential Equations
- AC2 Algebra, Analysis and Differential Equations
- AS1 Probability, Statistics and Options
- AS2 Probability, Statistics and Options
- A1 Algebra 1 and Differential Equations 1
- A2 Metric Spaces and Complex Analysis
- A3 Algebra 2
- A4 Integration
- A5 Topology
- A6 Differential Equations 2
- A7 Numerical Analysis
- A8 Probability
- A9 Statistics
- A10 Waves and Fluids
- A11 Quantum Theory
- A12 Simulation and Statistical Programming
- ASO Short Options

Syllabus details will be published in the Course Handbook by the beginning of the Michaelmas Full Term in the academic year of the examination for Part A.

Units and half-units for Part B and Part C

The final list of units and half-units will be published in the Course Handbook by the beginning of Michaelmas Full Term in the academic year of the examination concerned, together with the following details.

1. Designation as either ‘H’ level or ‘M’ level.

2. ‘Weight’ as either a whole unit or double half-unit.

3. Method of assessment. Details of methods of assessment for units or half-units delivered by other departments will be given elsewhere. Some options may require assessment by oral presentation. The Course handbook will indicate where such details will be specified.

4. Rules governing submission of any extended essay, dissertation or mini-project, including deadlines, provided that these shall always be submitted to the Chairman of Examiners, Honour School of Mathematics and Statistics, c/o Examination Schools, High Street, Oxford. When submitting their Part C dissertation, candidates must submit both paper and electronic versions which must be identical. The latter may be used by the examiners to check for plagiarism. See the Course Handbook for further details. In addition any submission on a mathematical unit must also be submitted to the
Mathematical Institute’s website, details will be included in the relevant Notice to Candidates.

5. Syllabus content.

6. Whether there is a requirement to register or apply for a place to take a unit or double half unit, and details of any registration or application procedure.