

1213-04-HUG

**Mathematical, Physical, and Life Sciences Division**

Approved by Chairman's action

**Title of Programme**

**FHS IN BIOLOGICAL SCIENCES**

**Brief note about nature of change:**

Minor change to wording of Part I & II practical work requirement.

**Effective date**

With immediate effect

**Location of change**

In *Examination Regulations 2012*

**Detail of change**

1. p.160, l.46, delete:

“by publication in the *University Gazette* by the end of Week 8 of Trinity Term”

and substitute:

“by publication in Part II of the FHS Handbook by the end of Week 8 of Hilary Term”

2. p.163, l.20, delete:

“Quantitative Methods classes, and”

**Explanatory Notes**

Minor change to wording of Part I & II practical work requirement.

**Mathematical, Physical, and Life Sciences Division**

Approved by Chairman's action

**Title of Programme**

**FHS in Materials, Economics, and Management (MEM)**

**Brief note about nature of change:** for the extended term dates for the Part I MEM candidates in Materials, Economics, and Management , the extra period of required residence should follow Trinity term, and not Hilary term as stated in current regulations thus these changes are a simple correction of fact to reflect actual practice for several years.

**Effective date**

With immediate effect

**Location of change**

In *Examination Regulations* 2012

**Detail of change**

1. p.325, l.1-2, delete:

“from the first Monday following Hilary Full Term to the first Saturday following Hilary Full Term.”

and substitute:

“from the first Monday following Trinity Full Term to the first Saturday following Trinity Full Term.”

1. p.325, l.4-5, delete:

“from the first Monday following Hilary Full Term to the first Saturday following Hilary Full Term.”

and substitute:

“from the first Monday following Trinity Full Term to the first Saturday following Trinity Full Term.”

**Explanatory Notes**

The change corrects an error in the regulation concerning timing of extended terms for MEM students.

1213-04-HUG

**Mathematical, Physical, and Life Sciences Division**

Approved by Chairman's action

**Title of Programme**

**PRELIMINARY EXAMINATION IN BIOLOGICAL SCIENCES**

**Brief note about nature of change:**

Minor change to composition of practical work requirement

**Effective date**

With immediate effect

**Location of change**

In *Examination Regulations 2012*

**Detail of change**

1. p.88, l.12, delete:  
“, computing classes”

**Explanatory Notes**

The change updates a minor change to the composition of practical work requirements.

**Mathematical, Physical, and Life Sciences Division**

Approved by Chairman's action

**Title of Programme**

FUSION DOCTORAL TRAINING NETWORK; DOCTORAL TRAINING CENTRE IN CYBER SECURITY

**Brief note about nature of change:**

Two new doctoral training programmes are being offered from October 2013: the Fusion Doctoral Training Network by the Department of Materials, and a Doctoral Training Programme in Cyber Security by the Department of Computer Science.

For both new programmes, students enrolled by Oxford will be subject to the same regulations as the Centre for Doctoral Training in Healthcare Innovation, Doctoral Training Centre at the Life Sciences Interface, Doctoral Training Centre in Systems Biology, and Industrial Doctorate Centre in Systems Approaches to Biomedical Sciences.

**Effective date**

With effect from 1. October 2013

**Location of change**

In *Examination Regulations* 2012, p 891, line 42

**Detail of change**

The title on section 7 provides a list of doctoral training centres to which the regulations in 7 apply.

Add "FUSION DOCTORAL TRAINING NETWORK; DOCTORAL TRAINING CENTRE IN CYBER SECURITY" to the list of centres of doctoral training/doctoral training centres, such that the title becomes

7. DEGREE OF DOCTOR OF PHILOSOPHY IN THE: CENTRE FOR DOCTORAL TRAINING IN HEALTHCARE INNOVATION; DOCTORAL TRAINING CENTRE AT THE LIFE SCIENCES INTERFACE; DOCTORAL TRAINING CENTRE IN SYSTEMS BIOLOGY;

INDUSTRIAL DOCTORATE CENTRE IN SYSTEMS APPROACHES TO BIOMEDICAL SCIENCES; FUSION DOCTORAL TRAINING NETWORK; DOCTORAL TRAINING CENTRE IN CYBER SECURITY

**Explanatory Notes**

As in 'Brief note about nature of change'

**Mathematical, Physical & Life Sciences Division**

Approved by MPLS Academic Audit Committee Tuesday 29 Jan

**Title of Programme: MSc in Mathematical and Computational Finance**

**Brief note about nature of change:** Abolishing the provision for vivas in the MSc.

**Effective date**

With effect from 1. October 2013

**Location of change**

In *Examination Regulations* 2012.

**Detail of change**

1. Page 732 l. 7-8:

“6. Candidates may be required to attend an oral examination at the end of the course of studies at the discretion of the examiners.”

2. Ibid, l. 9, delete:

“7”

And substitute:

“6”

3. Ibid, l. 10, delete:

“8”

And substitute:

“7”

**Explanatory Notes**

There is already a presentation on the dissertation, and therefore the viva is effectively

redundant and has not ever been utilised. Whilst the possibility of a viva still remained in Regulation undue pressure was placed on the examining schedule which is alleviated with its removal.



**Mathematical, Physical, and Life Sciences Division**

Approved by Char's action

**Title of Programme: Mathematics and Foundations of Computer Science**

**Brief note about nature of change:** To update regulations to reflect pass lists are no longer published. Also to change location of publication of approved courses from the Gazette to the course handbook.

**Effective date**

With effect from 1. October 2013

**Location of change**

Examination Regulations 2012

**Detail of change**

1. p. 736, ll 44-45, delete:

“and published in the *University Gazette* by not later than the Friday of eighth week of the Trinity Term preceding the examination”

And substitute:

“and published in the course handbook”

2. Ibid, p. 737, ll. 39-41, delete:

“8. A list of those candidates who have satisfied the examiners in particular courses in the relevant term shall be posted in the Mathematical Institute by the Friday preceding the following Full Term.”

3. Ibid, l. 42, delete:

“g”

And substitute:

“8”

4. Ibid, ll. 44- 46, delete:

“Any candidate who has not satisfied the examiners in four courses, at least one of which shall have been taken from schedule II, by the beginning of the Trinity Term shall be deemed to have failed the degree course.”

And substitute:

“Any candidate who has not satisfied the examiners in four courses, at least one of which shall have been taken from schedule II and at least one from Schedule B, by the beginning of the Trinity Term shall be deemed to have failed the degree course.”

5. Ibid, l. 47, delete:

“10”

And substitute:

“9”

6. Ibid, l. 51, delete:

“11”

And substitute:

“10”

### **Explanatory Notes**

Minor changes to reflect that pass lists are no longer published and approved courses will be published in handbook.

1213-07-HUG

**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 Computer Science & Computer Science and Philosophy

**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

## **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](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 four core subjects and 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](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 4<sup>th</sup> 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 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](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 4<sup>th</sup> years.

### **Change** (Inserted text underlined, deleted text scored through)

3. In Part C each candidate shall offer a total of 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.

**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 Materials Science

**Brief note about nature of change:**  
This regulation change provides a classified exit award after the third year examinations for students on the Integrated Masters Materials Science course. The new regulation introduces a requirement to obtain at least a '2ii' in order to progress to Part II. The changes involve students opting for the three-year route at the start of that year. They undertake an adjusted curriculum and are classified as appropriate in accordance with achievement.

**Effective date**  
With effect from 1<sup>st</sup> October 2015

**Location of change**  
To replace in its entirety page 316 line 1 to page 320 line 39 inclusive of the Examination Regulations 2012. Until 1<sup>st</sup> October 2015 to appear in addition to the present special regulation for the Honour School of Materials Science

**Detail of change**  
See below.

**Explanatory Notes**  
As in 'Brief note about nature of change'

## SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATERIALS SCIENCE

### New Regulations for candidates who embark on the Final Honour School on or after 1<sup>st</sup> October 2015.

#### A

1. The subject of the Honour School of Materials Science shall be the study of Materials Science.
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. The examination in this school shall be under the supervision of the Mathematical, Physical and Life Sciences Board, which shall prescribe the necessary regulations.
4. A candidate registered on the four year Master of Engineering in Materials Science degree programme is permitted, at a date no later than Friday of the 3rd week of Michaelmas Term in the year of Part I of the Second Public Examination, to transfer to the three year Bachelor of Arts in Materials Science Programme, provided no such candidate may later enter the Part II year or supplicate for the degree of Master of Engineering in Materials Science.
5. Following Friday of the 3rd week of Michaelmas Term in the year of Part I of the Second Public Examination a candidate registered on the four year Master of Engineering in Materials Science degree programme is permitted, at a date no later than Friday of the 8th week of Trinity Term in the year of Part I of the Second Public Examination, to transfer to the three year Bachelor of Arts in Materials Science Programme, provided no such candidate may later enter the Part II year or supplicate for the degree of Master of Engineering in Materials Science. In such cases the candidate will complete the Part I Examination as specified for the Master of Engineering programme and will in addition be required to complete during a specified period of the Long Vacation immediately following Trinity Term of the year of Part I of the Second Public Examination the extended essay specified in the programme for the degree of Bachelor of Arts in Materials Science. The Examiners will consider the outcome for such a candidate at the classification meeting held soon after the end of Trinity full term in the year following that of Part I of the Second Public Examination.
6. The examination for the Master of Engineering degree in Materials Science shall consist of Part I and Part II, and shall be partly of a practical nature. Candidates will be expected to show knowledge based on practical work: normally this requirement shall ~~normally~~ be satisfied by the Examiners' assessment of the practical work done by candidates during their course of study.
7. The examination for the Bachelor of Arts degree in Materials Science shall consist of one Part only, and shall be partly of a practical nature. Candidates will be expected to show knowledge based on practical work: normally this requirement shall be satisfied by the Examiners' assessment of the practical work done by candidates during their course of study.
8. No candidate for the degree of Master of Engineering in Materials Science may present him or herself for examination in Part II unless he or she has (a) been adjudged worthy of Honours by the examiners in Part I and (b) normally obtained a minimum mark of 50% averaged over all elements of assessment for the Part I Examination.
9. The name of a candidate for the degree of Master of Engineering in Materials Science shall not be published in a class list until he or she has completed all parts of the examination and has been adjudged worthy of Honours by the examiners in Part I and Part II of the examination in consecutive years. The examiners shall give due consideration to the performance in all parts/elements of the respective examinations.
10. The name of a candidate for the degree of Bachelor of Arts in Materials Science shall not be published in a class list until he or she has completed the examination and has been

adjudged worthy of Honours by the examiners. The examiners shall give due consideration to the performance in all elements of the examination.

11. For candidates for the degree of Master of Engineering in Materials Science the examiners shall be entitled to award (i) unclassified Honours to candidates in Part I who have been adjudged worthy of Honours but have obtained a mark of less than 50% averaged over all elements of assessment for the Part I Examination or (ii) a pass to candidates in Part I who have reached a standard considered adequate but who have not been adjudged worthy of Honours. ~~For candidates who embark on the Final Honours School on or after 1st October 2012:~~ To achieve Honours at Part I normally a candidate must fulfil all of the requirements under (a), (b) & (c) of this clause. (a) Obtain a minimum mark of 40% averaged over all elements of assessment for the Part I Examination, (b) obtain a minimum mark of 40% in each of at least four of the six written papers sat in Trinity Term of the year of Part I of the Second Public Examination, and (c) satisfy the coursework requirements set out in Section B, Part I below.

12. For candidates for the degree of Bachelor of Arts in Materials Science the examiners shall be entitled to award a pass to candidates who have reached a standard considered adequate but who have not been adjudged worthy of Honours. To achieve Honours normally a candidate must fulfil all of the requirements under (a), (b) & (c) of this clause. (a) Obtain a minimum mark of 40% averaged over all elements of assessment for the Examination, (b) obtain a minimum mark of 40% in each of at least four of the six written papers sat in Trinity Term of the year of the Second Public Examination, and (c) satisfy the coursework requirements set out in Section B, below.

13. A candidate for the degree of Master of Engineering in Materials Science who obtains only a pass, or fails to satisfy the examiners, a mark of less than 50% averaged over all elements of assessment for the Part I Examination or who fails to satisfy the examiners may enter again for the whole of Part I of the examination on one, but no more than one, subsequent occasion. Normally (i) this subsequent occasion shall be during the academic year immediately following the first decision of the examiners and (ii) the examination will be identical to that taken by the other Part I candidates in said academic year. A candidate who is adjudged worthy of Honours and obtains a mark of 50% or more averaged over all elements of assessment on the occasion of this resit may progress to Part II in the academic year following that of the resit examination; such a candidate will carry forward a Part I mark of 50% only. Part II shall be entered on one occasion only.

14. A candidate for the degree of Bachelor of Arts in Materials Science who obtains only a pass, or fails to satisfy the examiners may enter again for the examination on one, but no more than one, subsequent occasion. Normally (i) this subsequent occasion shall be during the academic year immediately following the first decision of the examiners and (ii) the examination will be identical to that taken by the other candidates for the BA in Materials Science in said academic year. The examiners shall be entitled to award a 3<sup>rd</sup> class Honours classification to a candidate who is adjudged worthy of Honours and obtains a mark of 40% or more averaged over all elements of assessment on the occasion of this resit. The examiners shall be entitled to award a Pass to a candidate who has reached a standard considered adequate but who has not been adjudged worthy of Honours on the occasion of this resit.

15. A candidate for the degree of Master of Engineering in Materials Science adjudged worthy of Honours in Part I and worthy of Honours in Part II may supplicate for the Degree of Master of Engineering in Materials Science, provided that the candidate has fulfilled all the conditions for admission to a degree of the University.

16. A candidate for the degree of Bachelor of Arts in Materials Science adjudged worthy of Honours may supplicate for the Degree of Bachelor of Arts in Material Science, provided that the candidate has fulfilled all the conditions for admission to a degree of the University.

17. A candidate for the degree of Master of Engineering in Materials Science who fails to obtain Honours in Part II, or who is adjudged worthy of Honours in Part I and who obtains a



minimum mark of 50% averaged over all elements of assessment for the Part I Examination but who does not enter Part II, or who is adjudged worthy of Honours in Part I but who obtains a mark of less than 50% averaged over all elements of assessment for the Part I Examination, or who passes Part I or who is adjudged worthy of Honours in Part I, but who does not enter Part II, or fails to obtain Honours in Part II, is permitted to supplicate for the degree of Bachelor of Arts in Materials Science (~~pass or unclassified Honours~~ or pass, as appropriate); provided that no such candidate may later enter or re-enter the Part II year or supplicate for the degree of Master of Engineering in Materials Science or supplicate for the degree of Bachelor of Arts in Materials Science (classified Honours); and provided in each case that the candidate has fulfilled all the conditions for admission to a degree of the University.

18. A candidate for the degree of Bachelor of Arts in Materials Science who passes the second public examination but is not adjudged worthy of Honours is permitted to supplicate for the degree of Bachelor of Arts in Materials Science (pass); provided that no such candidate may later supplicate for the degree of Bachelor of Arts (classified or unclassified honours) in Materials Science; and provided in each case that the candidate has fulfilled all the conditions for admission to a degree of the University.

## B

1. In the following, 'the Course Handbook' refers to the Materials Science and Materials, Economics & Management Final Honours School Course Handbook, published annually at the start of Michaelmas Term by the Faculty of Materials and also posted on the website at: <http://www.materials.ox.ac.uk/teaching/ug/ughandbooks.html>

2. Candidates are restricted to models of calculators included in the Course Handbook published in the academic year preceding ~~the either~~ Part I of the Second Public Examination for the degree of Master of Engineering in Materials Science or the Second Public Examination for the degree of Bachelor of Arts in Materials Science.

3. Supplementary subjects or the completion of an approved course of instruction in a foreign language

(a) As an alternative to offering Engineering and Society coursework, candidates may either offer themselves for examination in a Supplementary Subject or complete an approved, assessed course of instruction in a foreign language, as permitted under clause 3.(c) of the regulations for Materials Science Part I. A candidate who wishes to offer a Supplementary Subject must have the proposal approved by the ChairmanChair of the Faculty of Materials or deputy. Where an approved course of instruction in a foreign language is available (including a Supplementary Subject in a foreign language), entry of candidates for such examinations shall require the approval of the ChairmanChair of the Faculty of Materials and the Director of the Language Centre or their deputies. Approval shall not be given to candidates who have, at the start of the course, already acquired demonstrable skills exceeding the target learning outcomes in the chosen language.

(b) Candidates for Supplementary Subjects or a Foreign Language course may offer themselves for examination in the academic year preceding that in which they take either Part I of the Second Public Examination for the degree of Master of Engineering in Materials Science or the Second Public Examination for the degree of Bachelor of Arts in Materials Science.

(c) The Supplementary Subjects available in any year will be published, together with the term in which each subject will be examined, in the Course Handbook in the academic year in which the courses are delivered. Regulations governing the use of calculators in individual Supplementary Subjects will be notified when the availability of these subjects is published in the Course Handbook.

## **PART I of the Examination for the degree of Master of Engineering in Materials Science**

The examination will consist of:

1. Four general papers of three hours each on the fundamental principles and engineering applications of the subject in accordance with the schedule below. The questions set in these papers will be normally such that candidates may reasonably be expected to answer a high proportion of them.
2. Two Materials eOptions papers, each of three hours, containing a wide choice of questions in accordance with the schedule below.
3. In addition to the written papers, the Examiners shall require evidence of satisfactory completion, over a period of five terms subsequent to the sitting of the First Public Examination, of each element of coursework in Materials, as detailed below. In the assessment of the Materials coursework, the Examiners shall take into consideration the requirement for a candidate to complete satisfactorily the coursework to a level prescribed from time to time by the Faculty of Materials and published in the Course Handbook. Failure of the coursework will normally constitute failure of Part I of the Second Public Examination. The coursework elements shall be:

### *(a) Materials Practical Classes*

Candidates shall be required to submit detailed reports of the practical work completed over a period of three terms subsequent to the sitting of the First Public Examination. Such reports should be delivered to the ChairmanChair of the Examiners in the Honour School of Materials Science, Part I, c/o the Deputy Administrator (Academic) in the Department of Materials (or their deputy as nominated in the Course handbook), not later than 5 p.m. on Friday of the first week of Michaelmas Full Term in the year of the Second Public Examination. The Examiners shall have the power to require a practical examination of any candidate or to require further evidence, of any kind that they deem appropriate, of a candidate's practical work and ability.

### *(b) Reports on Industrial Visits*

Candidates shall be required to submit to the Department (to the person specified in the Course Handbook) reports on a number of industrial visits normally undertaken over a period of five terms subsequent to the sitting of the First Public Examination. The required number of visits, types of visits allowed, the nature of the reports, and deadlines for submission shall be specified in the Course Handbook.

### *(c) Engineering and Society Coursework*

Candidates shall be required to submit one piece of Engineering and Society Coursework, the details of which shall be stated in the Course Handbook. Three copies of the coursework shall be submitted to the ChairmanChair of Examiners in Materials, c/o Examination Schools, High Street, Oxford, not later than noon on the Monday following the end of Hilary Full Term in the year preceding the Part I examination. The work must be the candidate's own and the candidate shall sign and present with the work a detachable certificate to this effect. As an alternative to offering Engineering and Society coursework, candidates may either offer themselves for examination in a Supplementary Subject or complete an approved, assessed course of instruction in a foreign language.

### *(d) Team Design Project*

Candidates shall be required to complete a team design project in the first two weeks of Michaelmas Full Term in the year of the Second Public Examination, and subsequently (i) to submit to the Department (to the person specified in the Course Handbook) three copies of a report on the project and (ii) to deliver to the Examiners an oral presentation on the project, both as detailed in the Course Handbook. The

work must be the candidate's own and the candidate shall sign and present with the written report a detachable certificate to that effect.

*(e) Characterisation of Materials Coursework or Introduction to Modelling in Materials Coursework*

Candidates shall be required to complete **either** a Characterisation of Materials course **or** an Introduction to Modelling in Materials course in the first two weeks of Hilary Full Term in the year of the Second Public Examination, and subsequently to submit to the Department (to the person specified in the Course Handbook) three copies of a portfolio of work from the course, as detailed in the Course Handbook. The work must be the candidate's own and the candidate shall sign and present with the written report a detachable certificate to that effect.

Essays or reports previously submitted for the Honour School of Materials Science may be resubmitted. No essay or report will be accepted if it has already been submitted wholly or substantially for another honour school or degree of this University, or for a degree at any other institution. Resubmitted work must be physically presented at the time and in the manner prescribed for submission.

### **Examination for the degree of Bachelor of Arts in Materials Science**

For a candidate under clause (4) of Part A of the special regulations for the Honour School of Materials Science the examination will consist of:

All elements described in clauses one, two and three under PART I of the Examination for the degree of Master of Engineering in Materials Science, excepting that:

1. The two Materials Options papers of clause two will be each of 1.5 hours duration
2. An additional element of coursework is included under clause three:

*(f) An Extended Essay on an approved topic in Materials Science*

Candidates shall be required to complete an extended essay, as detailed in the Course Handbook, in the year of the Second Public Examination, under the guidance of an advisor appointed by the Chair of Faculty or his/her deputy. Every candidate is required to submit three copies of their essay. The Examiners shall obtain a report on the work of each candidate from the advisor concerned. The essay shall also include an abstract and should be accompanied by a signed statement by the candidate that it is his or her own work. The copies should be handed in to the Chair of the Examiners in the Honour School of Materials Science, c/o Examination Schools, High Street, Oxford, not later than noon on the second Friday following the end of Hilary Full Term. The essay shall be word-processed or typewritten on A4 paper (within a page area of 247 mm x 160 mm, using double line-spaced type of at least 11pt font size, printed on one side only of each sheet, with a left hand margin of at least 30mm) and presented in a binder. The essay should not exceed 4,000 words. This word count excludes references, title page, acknowledgements and table of contents. All other text is included in the word count, including the abstract and the figure captions.

Essays or reports previously submitted for the Honour School of Materials Science may be resubmitted. No essay or report will be accepted if it has already been submitted wholly or substantially for another honour school or degree of this University, or for a degree at any other institution. Resubmitted work must be physically presented at the time and in the manner prescribed for submission.

For a candidate under clause (5) of Part A of the special regulations for the Honour School of Materials Science the examination will consist of:

All elements described in clauses one, two and three under PART I of the Examination for the degree of Master of Engineering in Materials Science, excepting that:

1. An additional element of coursework is included under clause three:

(f) An Extended Essay on an approved topic in Materials Science

As for a candidate under clause (4) of Part A of the special regulations for the Honour School of Materials Science excepting that, as specified in the Course Handbook, (i) candidates shall be required to complete the extended essay during the Long Vacation immediately following the year of the Second Public Examination and (ii) submission to the Chair of the Examiners in the Honour School of Materials Science, c/o Examination Schools, High Street, Oxford, shall be no later than noon on a day to be specified by the Chair of Faculty or his/her deputy and in any case shall be no later than the last Friday of the Long Vacation immediately following the year of the Second Public Examination.

## **Schedule**

(a) General papers

All candidates will be expected to have such knowledge of mathematics as is required for the study of the subjects of the examination.

General Paper 1: Structure and Transformations

General Paper 2: Electronic Properties of Materials

General Paper 3: Mechanical Properties

General Paper 4: Engineering Applications of Materials

(b) Materials Options Papers 1 and 2

The subjects for these papers will be published annually in the Course Handbook.

## **PART II of the Examination for the degree of Master of Engineering in Materials Science**

Candidates offering Part II of the examination will be expected to carry out investigations in Materials Science or in related subjects under the supervision of one of the following:

- (i) any professor who is a member of one of the Faculties in the Physical Sciences;
- (ii) a reader or university lecturer or senior research officer who is a member of one of the Faculties of Physical Sciences;
- (iii) a tutor or lecturer in any society who is a member of one of the Faculties of Physical Sciences;
- (iv) any other person listed in a Register of Part II Supervisors to be maintained by the Faculty of Materials.

Each candidate shall be examined viva voce, and, if the examiners think fit, in writing, on the subject of his or her work and on matters relevant thereto. The Examiners shall obtain a report on the work of each candidate from the supervisor concerned.

A candidate intending to offer Part II shall give notice to the Registrar not later than Friday in the fourth week of Michaelmas Full Term in the year in which he or she satisfied the examiners in Part I. Such notice must be given on a form to be obtained from the Registrar, University Offices.

Every candidate for Part II is required to submit three copies of a report on the investigations which he or she has carried out under the direction of his or her supervisor. The report on the investigations shall also include an abstract, a literature survey, a brief account of the project management aspects of the investigation, and a description of the engineering context of the

investigation and should be accompanied by a signed statement by the candidate that it is his or her own work. The copies should be handed in to the **ChairmanChair** of the Examiners in the Honour School of Materials Science, Part II, c/o Examination Schools, High Street, Oxford, not later than noon on the Wednesday of the seventh week of Trinity Full Term. The report shall be word-processed or typewritten on A4 paper (within a page area of 247 mm x 160 mm, using double line-spaced type of at least 11pt font size, printed on one side only of each sheet, with a left hand margin of at least 30mm) and presented in a binder. The main report should not normally exceed 12,000 words together with a maximum of a further 1,500 words for the reflective account of the project management aspects of the investigation that must be included in the final chapter. These word counts exclude references, title page, acknowledgements, table of contents and the three Project Management Forms. All other text is included in the word count, including the abstract and the figure captions. Additionally, the main report should not normally exceed 100 pages in length (including an abstract, the text as defined above for the word limits, the three Project Management Forms, computer programmes, graphs, diagrams, photographs, tables, and similar material). All pages of the report should be numbered sequentially. The report must be accompanied by a signed declaration that it is within the allowed word and page limits. Candidates seeking permission to exceed the word and/or page limits should apply to the **ChairmanChair** of Examiners at an early stage. Further detailed data, computer programmes and similar material may be included in one or more appendices at the end of the main report, but appendices are not included within the limits of the word or page counts of the thesis and, entirely at the discretion of the Examiners for each report, may or may not be read.

Candidates for Part II will be required to keep statutory residence and pursue their investigations at Oxford during a period of thirty-seven weeks between the dates specified below, except that the Divisional Board of Mathematical, Physical and Life Sciences shall have power to permit candidates to vary the period of their residence so long as the overall programme requirement is met. The divisional board may, on the recommendation of the Department of Materials, permit candidates to carry out their investigations for the required period at an approved institution outside Oxford; the board shall determine the conditions upon which applications for such permission may be approved and will require to be satisfied in each case (a) that adequate arrangements are made for the candidate's supervision and (b) that the proposals for the investigations are agreed in advance between the Department of Materials and the host institution.

Periods of required residence for Part II

From the fifth Friday before to the first Saturday following Michaelmas Full Term.

From the second Friday before Hilary Full Term to the Saturday before Palm Sunday.

From the Friday following Easter to the second Saturday following Trinity Full Term.

1213-07-HUG

**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](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~~four~~ 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~~one 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 ~~H~~andbook 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 ~~doublehalf~~ 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](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.

Inserted text underlined, deleted text scored through.

### 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;~~

~~AG2(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](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](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 4<sup>th</sup> 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](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 4<sup>th</sup> 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:**

**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](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 degree of Master of 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.

## 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 B1 ~~a 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 101–118, 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](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.



1213-07-HUG

**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 and joint schools including Mathematics

**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](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 A1, A2, ASO and five papers from A3-A11 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 for Part B (see below).

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

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

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

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

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

(c) Candidates may offer either one unit or one 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 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

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 for Part B and Part C*

The final list of 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 unit or doubleunit.
3. Method of assessment. Details of methods of assessment for Other Mathematics or Other Non-Mathematical 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, 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](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.

Inserted text underlined, deleted text scored through.

### **B**

The syllabus for each of Parts A, B, and C will be published by the 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:

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

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 'unit' in schedules B3 and B5 shall be regarded as equivalent to one subject in the examination, and each 'double unit' shall be regarded as equivalent to two subjects.

3. . 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 MATHEMATICS & PHILOSOPHY**

**Location of change:**

**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](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 degree of Master of 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.

## B

1. 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 Schedule 2 (additional 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 four units of *Mathematics* from Schedule 1, two of which shall be B1a Logic and B1b *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** 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. No 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*

- 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 in Mathematics for Part B and Part C*

The list of 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 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](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 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 units from the schedule of 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 two units from BS2 and BS3.
- (c) Each candidate may offer a total of at most two units from BS4 and the schedule of ‘Other 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 units from the schedule of units for Part C (see below), and each candidate shall also offer a dissertation on a statistics project.

(a) The five units offered should be from those designated as M level.

(b) At least one unit should be offered from the schedule of 'Statistics' units.

4. No candidate shall offer any 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

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 for Part B and Part C*

The final list of 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 unit or double-unit.

3. Method of assessment. Details of methods of assessment for 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 unit, and details of any registration or application procedure.

**Mathematical, Physical & Life Sciences Division**

Approved by Chairs action

**Programme: HONOUR SCHOOL OF MATHEMATICS AND PHILOSOPHY**

**Brief note about nature of change:** Correcting regulation to reflect pass at Part C has not been allowed for some considerable time.

**Effective date**

With immediate effect.

**Location of change**

In *Examination Regulations* 2012.

**Detail of change**

1. Page 333 ll. 25-7, delete:

“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.”

And substitute:

“A candidate who fails to satisfy the Examiners in Part C may enter again for Part C on at most one subsequent occasion.”

**Explanatory Notes**

This change corrects an inaccuracy in the current regulation. There is no change to procedure as this is something that was changed a long time ago (as clearly reflected elsewhere in the regs) and this wording escaped update.

1213-14-HPT

**Mathematical, Physical & Life Sciences Division**

Approved by MSc Course Director

**Title of Programme: MSc in Computer Science**

**Brief note about nature of change:** Delete section on when results are physically posted in the department, as results have been made available for a number of years through Student Self Service.

**Effective date**

With effect from 1. October 2013

**Location of change**

In *Examination Regulations* 2012, p. 689, lines 50 - 53

**Detail of change**

Delete

10. A list of those candidates who have satisfied the examiners in a particular topic shall be posted in the vestibule of the Department of Computer Science within three working weeks of the final date for submission of assignments/within two weeks of the final date for written examinations.

**Explanatory Notes**

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<b>Mathematical, Physical and Life Sciences Division</b>
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<b>Approved at the meeting of</b> :Academic Audit Committee, 12 Feb 2013
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<b>Honour School of Mathematics and Computer Science</b>
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This is a minor correction to the changes approved on 12 Feb 2013
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<b>Effective date</b>
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As for the original changes
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The original change was to <i>Examination Regulations 2012</i> , page 331, B1.
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<b>The original change to section B, item 1 was as follows.</b>
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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:

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

**A6 needs to be removed from the list and the wording, so the equivalent text should be as follows**

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 A3-A5,A7-A11 and paper ASO:

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

**Explanatory Notes**

**Mathematical, Physical, and Life Sciences Division**

New courses approved by the MPLS Divisional Board and by the University's Education Committee.

New qualification of MMathPhys approved by Council.

**Title of Programme**

MMathPhys in Mathematical and Theoretical Physics

MSc in Mathematical and Theoretical Physics

**Brief note about nature of change:**

See below.

**Effective date**

See below.

**Location of change**

See below.

**Detail of change**

See below.

**Explanatory Notes**

As in 'Brief note about nature of change'

## VOTING ON LEGISLATIVE PROPOSAL: ESTABLISHMENT OF DEGREE OF MASTER OF MATHEMATICS AND PHYSICS

### *Explanatory Note*

The following Legislative Proposal establishes the new degree of Master of Mathematics and Physics. This degree is on the model of the final year of existing four-year courses that lead to master's awards, such as the Master of Computer Science (MCompSci), and the Master of Mathematics and Philosophy (MMathPhil). It differs from these in that the Master of Mathematics and Physics consists only of the Part C examination. It may be entered only by candidates registered on certain four-year courses that lead to master's awards, as specified in the examination regulations, who after their Part B examinations transfer, following application, to Mathematical and Theoretical Physics for their Part C examination. Initially this will be confined to candidates registered at the time of their Part B examination for the Master of Mathematics in Mathematics, the Master of Physics in Physics, and Master of Physics and Philosophy in Physics and Philosophy.

*WHEREAS it is expedient to establish the degree of Master of Mathematics and Physics, THE UNIVERSITY ENACTS AS FOLLOWS.*

**1** In section 1 of Statute X (Supplement (1) to Gazette No. 4633, 9 October 2002, Vol. 133, p. 110, *amended with effect from 14 June 2005, Vol. 135, p. 1174, 16 June 2005; 11 October 2005, Vol. 136, p. 184, 13 October 2005; 2 June 2009, Vol. 139, p. 1164; 12 October 2010, Vol. 141, p. 110, 14 October 2010; and 21 June 2011, Vol. 141, p. 724, 16 June 2011; after 'Master of Mathematics and Philosophy', insert 'Master of Mathematics and Physics'.*

**2** In regulation 4.2 of Congregation Regulations 3 of 2002 concerning the conduct of ceremonies in Congregation, and certain other ceremonies (made by Congregation on 5 March 2002, Supplement (1) to Gazette No. 4612, 13 February 2002, p. 771, as amended on 11 February 2003, 11 March 2003, 2 November 2004, 11 October 2005 and 13 June 2006, Vol. 133, p. 781, 13 February 2003, p. 948, 13 March 2003; Vol. 135, p. 297, 4 November 2004; Vol. 136, p. 184, 13 October 1005, p. 1241, 15 June 2006) delete existing paragraph (21) and substitute (new text underlined, deleted text scored through):

*'(21) Master of Biochemistry, Chemistry, Computer Science, Earth Sciences, Engineering, Mathematics, Physics, Mathematics and Computer Science, Mathematics and Philosophy, Mathematics and Physics, Physics and Philosophy, and Computer Science and Philosophy*

Insignissime, etc., praesento vobis hos meos scholares in facultate Artium, ut admittantur ad gradum Magistri in Biochimia, vel Chimia, vel Scientia Computatoria, vel Scientiis Terrenis, vel Ingeniaria, vel Mathematica, vel Physica, vel Mathematica et Scientia Computatoria, vel Mathematica et Philosophia, vel Mathematica et Physica, vel Physica et Philosophia, vel Scientia Computatoria et Philosophia prout in schedula a Registrario scriptum est.'

**3** Ibid., in regulation 4.3 delete paragraph (16) and substitute:

'(16) *Master of Biochemistry, Chemistry, Computer Science, Earth Sciences, Engineering, Mathematics, Physics, Mathematics and Computer Science, Mathematics and Philosophy, Mathematics and Physics, Physics and Philosophy, and Computer Science and Philosophy*

Domini, ego admitto vos ad gradum Magistri in Biochimia, vel Chimia, vel Scientia Computatoria, vel Scientiis Terrenis, vel Ingeniaria, vel Mathematica, vel Physica, vel Mathematica et Scientia Computatoria, vel Mathematica et Philosophia, vel Mathematica et Physica, vel Physica et Philosophia, vel Scientia Computatoria et Philosophia prout in schedula a Registrario scriptum est; insuper auctoritate mea et totius Universitatis, do vobis potestatem legendi, et reliqua omnia faciendi quae ad eundem gradum spectant.'

### **Regulations to be made by Council if the Statute is approved**

**1** In regulation 2.1 of Council Regulations 22 of 2002 concerning academic precedence and standing (Supplement (2) to *Gazette* No. 4628, 26 June 2002, as amended on 14 June 2005 and 11 October 2005, Vol. 135, p. 1174, 16 June 2005; Vol. 139, p. 1004, 30 April 2009; *14 October 2010, 23 June 2011 and 30 June 2011*), after Master of Arts, or Master of Biochemistry or Chemistry or Computer Science or Computer Science and Philosophy or Earth Sciences or Engineering or Mathematics or Mathematics and Computer Science or Mathematics and Philosophy' insert 'Master of Mathematics and Philosophy'.

**2** Ibid., after 'Master of Arts, or Master of Biochemistry or Chemistry or Computer Science or Computer Science and Philosophy or Earth Sciences or Engineering or Mathematics or Mathematics and Computer Science or Mathematics and Philosophy' insert 'Master of Mathematics and Philosophy'.

## HONOUR SCHOOL OF MATHEMATICAL AND THEORETICAL PHYSICS

**With effect from 1 October 2013** (for first Part A examinations in specified Honour Schools in 2014, first Part B examination in specified Honour Schools in 2015, and for first Part C examination in 2016)

**1** In Examination Regulations, 2012, p.10, l.33, after ‘Mathematics and Philosophy,’ insert: ‘or Mathematics and Physics (after transfer to that Honour School for their Part C examination from the Master of Mathematics in Mathematics, the Master of Physics in Physics, or the Master of Physics and Philosophy in Physics and Philosophy following their Part B examinations)’

**2** Ibid., p.11, l.4, after ‘Mathematics and Philosophy,’ insert: ‘or Mathematics and Physics (after transfer to that Honour School for their Part C examination from the Master of Mathematics in Mathematics, the Master of Physics in Physics, or the Master of Physics and Philosophy in Physics and Philosophy following their Part B examinations)’

p.55, l.15, second column, after ‘Master of Mathematics and Philosophy’ insert ‘Master of Mathematics and Physics’.

**3** Ibid., p.64, after l.28, insert:

‘Mathematical and Theoretical Physics  
(after transfer to that Honour School  
for the Part C examination from  
the Honour Schools of Mathematics,  
Physics, or Physics and Philosophy)

Mathematical, Physical and Life  
Sciences Division

**4** Ibid., p.70, after l.24, insert:

‘Master of Mathematics and Physics

Mathematical and Theoretical Physics  
(after transfer to that Honour School  
for the Part C examination from  
the Honour Schools of Mathematics,  
Physics, or Physics and Philosophy)

**5** Ibid., p 337, after l.42, insert on a new page:

‘SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATHEMATICAL AND THEORETICAL PHYSICS

### A

In the following ‘the Course Handbook’ refers to the Mathematical and Theoretical Physics Handbook and supplements to this published by the Joint Supervisory Committee for Mathematical and Theoretical Physics and also posted on the website at

<https://www.maths.ox.ac.uk/current-students/undergraduates/handbooks-synopses>

The Divisional Board of Mathematical, Physical and Life Sciences shall appoint for the supervision of the course a supervisory committee, which shall have the power to approve lectures and other instruction. The committee shall appoint a Director of Studies who will be responsible for ensuring that the programme is set up and the decisions of the committee are carried out.

1. The subject of Honour School of Mathematical and Theoretical Physics shall be Mathematical and Theoretical Physics and related subjects.
2. The Examination in the Honour School of Mathematical and Theoretical Physics shall be under the supervision of the Mathematical, Physical and Life Sciences Board. The Board shall have power from time to time to frame and vary regulations for different parts and subjects of the examination.
3. The examination in the Honour School of Mathematical and Theoretical Physics shall consist of one Part only, namely Part C, and each candidate shall follow a course of study in Mathematical and Theoretical Physics for three terms.
4. A candidate may only be admitted to the examination in this School if he or she:
  - (a) was, at the time of taking their Part B examinations, registered for the four year course in one of the following Honour Schools: Mathematics, Physics, or Physics and Philosophy;
  - (b) has achieved an upper second class Honours or higher in their Part B examinations referred to in (a) above;
  - (c) has applied for and been accepted for entry to Part C in Mathematical and Theoretical Physics in accordance with the procedure set out in the Handbook for Mathematical and Theoretical Physics;
  - (d) enters the Mathematical and Theoretical Physics Part C examinations in the academic year after taking their Part B examinations.

(a) and (b) above are necessary minimum conditions of eligibility to transfer to Part C in Mathematical and Theoretical Physics after the Part B examinations. Candidates wishing to transfer will also have to apply to transfer as stated in (c) above by the end of week 1 of Hilary Term of their third year. To be accepted they will have to satisfy the other requirements set out in the Handbook for Mathematical and Theoretical Physics from time to time. These requirements may specify the subject matter of the papers chosen for their Part A and Part B examinations (where relevant), the marks achieved in those papers, the overall mark achieved in their Part A and Part B examinations, and an assessment of their overall aptitude for Mathematical and Theoretical Physics. The Handbook for Mathematical and Theoretical Physics shall set out the subject matter of optional papers that candidates should follow in Part A or Part B to maximize their chances of being accepted for transfer to Mathematical and Theoretical Physics at Part C. For this purpose, this Handbook shall be available by the start of Michaelmas Term

in the year in which a candidate starts Part A in Mathematics, Physics, or Physics and Philosophy.

5. A candidate who has transferred to Part C in Mathematical and Theoretical Physics in accordance with cl.4 above is permitted transfer to Part C of the Honour School in which he or she was registered at the time of his or her Part B examination up to the end of Week 4 of the Michaelmas Term in which he or she first registered for Part C in Mathematical and Theoretical Physics, so long as that candidate has not opted to supplicate for the degree of Bachelor of Arts under cl.7 below.
- 6 The result of the Mathematical and Theoretical Physics Part C examination will be published in terms of Distinction, Pass, or Fail.
7. (a) A candidate who obtains a Distinction or Pass in the Mathematical and Theoretical Physics Part C may supplicate for the degree of Master in Mathematical and Theoretical Physics provided that the candidate has fulfilled all the conditions for admission to a degree of the University.  
  
(b) For such a candidate, the Examiners of the Honours School in which the candidate sat Parts A and B shall classify and publish the combined results of the examinations in Part A and Part B, and the examiners for the Honour School of Mathematical and Theoretical Physics shall separately assess and publish the results in Part C.  
  
(c) Such a candidate will receive a classification for Parts A and B in the subject in which he or she sat those Parts, and a separate result for Part C in Mathematical and Theoretical Physics.
8. A candidate in the final year of a four-year course, registered for Part C in Mathematical and Theoretical Physics, but who does not enter Part C, or who fails to obtain a Distinction or Pass in Part C, is permitted to supplicate for the Honours degree in the subject in which he or she sat Parts A and B (namely the Bachelor of Arts in Mathematics, Physics, or Physics and Philosophy respectively), with the classification he or she 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, Master of Physics, Master of Physics and Philosophy or Master of Mathematics and Physics; and provided in each case that the candidate has fulfilled all the conditions for admission to a degree of the University.
9. A candidate on the four-year course who fails to satisfy the Examiners in Part C may retake Part C on at most one subsequent occasion, not later than one year after the initial attempt. In such a case the examiners will specify at the time of failure which components of the examination may or must be redone.

## **B**

1. Candidates will complete and be assessed on the following parts:
  - (i) Candidates will offer 10 units with one unit corresponding to a 16 hour lecture course.

- (ii) At least four units will be assessed by written examination.
- (iii) The other units will be assessed by marked course work, take--home papers or mini--projects. The Course Handbook will specify which units will be assessed by each method mentioned above.
- (iv) Candidates may offer one unit which is a dissertation. The dissertation will follow the guidelines and procedures of the Part C Mathematics course outlined in the Special Regulations for the Honour School of Mathematics.
- (v) Candidates will be required to attend an oral examination at the end of the course of studies.

The examiners may award a distinction for excellence in the whole examination.

2. Syllabus and examination details will be published each year in the Course Handbook and on the course web pages by the beginning the Michaelmas Full Term in the academic year of the examination.



## **HONOUR SCHOOL OF MATHEMATICS**

**With effect from 1 October 2013** (for first Part A examination in 2014, first Part B examination in 2015, and first Part C examination in 2016)

In Examination Regulations, 2012, p.327, after I.14, insert

### **'Transfer to the Honour School of Mathematical and Theoretical Physics**

9. Subject to the regulations for the Honour School in Mathematical and Theoretical Physics, candidates on the four-year course in Mathematics may apply to the Supervisory Committee for Mathematics and Physics to transfer, after their Part B examination, to the Honour School of Mathematical and Theoretical Physics for their Part C examination. Such a candidate will need to achieve at least an upper second class or higher at the end of Part B, and be accepted by the Supervisory Committee for Mathematics and Physics under the procedures referred to in the regulations for the Master of Mathematical and Theoretical Physics and set out in the course handbook for that degree. Acceptance is not automatic. As specified in the regulations for that degree, Part C in Mathematical and Theoretical Physics must be taken in the academic year following the candidate's Part B examination, and on successful completion of Part C of the Honour School of Mathematical and Theoretical Physics candidates will be awarded the Master of Mathematics and Physics in Mathematical and Theoretical Physics.

10. The Handbook for Mathematical and Theoretical Physics shall set out the options that candidates should follow to maximize their chances of being accepted for transfer to Mathematical and Theoretical Physics for their Part C examination. This Handbook shall be available by the start of Michaelmas Term in the year in which a candidate starts Part A in Mathematics.

11. A candidate who has transferred from the Honour School of Mathematics to the Honour School of Mathematical and Theoretical Physics for their Part C examination in accordance with cl.9 above is permitted transfer to the Honour School of Mathematics for their Part C examination up to the end of Week 4 of the Michaelmas Term in which he or she first registered for Part C in the Honour School of Mathematical and Theoretical Physics, so long as that candidate has not opted to supplicate for the degree of Bachelor of Arts in Mathematics under the regulations for the Honour School of Mathematical and Theoretical Physics.

12. The regulations for the Honour School of Mathematical and Theoretical Physics set out how the results obtained in Parts A and B in the Honour School of Mathematics are published for candidates who transfer to the Honour School of Mathematical and Theoretical Physics for their Part C examination.

## **HONOUR SCHOOL OF PHYSICS**

**With effect from 1 October 2013** (for first Part A examination in 2014, first Part B examination in 2015, and first Part C examination in 2016)

In Examination Regulations, 2012, p.433, after I.19, insert

### **'Transfer to the Honour School of Mathematical and Theoretical Physics**

6. Subject to the regulations for the Honour School in Mathematical and Theoretical Physics, candidates on the four-year course in Physics may apply to the Supervisory Committee for Mathematics and Physics to transfer, after their Part B examination, to the Honour School of Mathematical and Theoretical Physics for their Part C examination. Such a candidate will need to achieve at least an upper second class or higher at the end of Part B, and be accepted by the Supervisory Committee for Mathematics and Physics under the procedures referred to in the regulations for the Master of Mathematical and Theoretical Physics and set out in the course handbook for that degree. Acceptance is not automatic. As specified in the regulations for that degree, Part C in Mathematical and Theoretical Physics must be taken in the academic year following the candidate's Part B examination, and on successful completion of Part C of the Honour School of Mathematical and Theoretical Physics candidates will be awarded the Master of Mathematics and Physics in Mathematical and Theoretical Physics.

7. The Handbook for Mathematical and Theoretical Physics shall, where relevant, set out the options that candidates should follow to maximize their chances of being accepted for transfer to Mathematical and Theoretical Physics for their Part C examination. This Handbook shall be available by the start of Michaelmas Term in the year in which a candidate starts Part A in Physics.

8. A candidate who has transferred from the Honour School of Physics to the Honour School of Mathematical and Theoretical Physics for their Part C examination in accordance with cl.9 above is permitted transfer to the Honour School of Physics for their Part C examination up to the end of Week 4 of the Michaelmas Term in which he or she first registered for Part C in the Honour School of Mathematical and Theoretical Physics, so long as that candidate has not opted to supplicate for the degree of Bachelor of Arts in Physics under the regulations for the Honour School of Mathematical and Theoretical Physics.

9. The regulations for the Honour School of Mathematical and Theoretical Physics set out how the results obtained in Parts A and B in the Honour School of Physics are published for candidates who transfer to the Honour School of Mathematical and Theoretical Physics for their Part C examination.

## HONOUR SCHOOL OF PHYSICS AND PHILOSOPHY

**With effect from 1 October 2013** (for first Part A examination in 2014, first Part B examination in 2015, and first Part C examination in 2016)

In Examination Regulations, 2012, p.438, after I.26, insert

### **'Transfer to the Honour School of Mathematical and Theoretical Physics**

7. Subject to the regulations for the Honour School in Mathematical and Theoretical Physics, candidates on the four-year course in Physics and Philosophy may apply to the Supervisory Committee for Mathematics and Physics to transfer, after their Part B examination, to the Honour School of Mathematical and Theoretical Physics for their Part C examination. Such a candidate will need to achieve at least an upper second class or higher at the end of Part B, and be accepted by the Supervisory Committee for Mathematics and Physics under the procedures referred to in the regulations for the Master of Mathematical and Theoretical Physics and set out in the course handbook for that degree. Acceptance is not automatic. As specified in the regulations for that degree, Part C in Mathematical and Theoretical Physics must be taken in the academic year following the candidate's Part B examination, and on successful completion of Part C of the Honour School of Mathematical and Theoretical Physics candidates will be awarded the Master of Mathematics and Physics in Mathematical and Theoretical Physics.

8. The Handbook for Mathematical and Theoretical Physics shall set out the options that candidates should follow to maximize their chances of being accepted for transfer to Mathematical and Theoretical Physics for their Part C examination. This Handbook shall be available by the start of Michaelmas Term in the year in which a candidate starts Part A in Mathematics.

9. A candidate who has transferred from the Honour School of Physics and Philosophy to the Honour School of Mathematical and Theoretical Physics for their Part C examination in accordance with cl.9 above is permitted transfer to the Honour School of Physics and Philosophy for their Part C examination up to the end of Week 4 of the Michaelmas Term in which he or she first registered for Part C in the Honour School of Mathematical and Theoretical Physics, so long as that candidate has not opted to supplicate for the degree of Bachelor of Arts in Physics and Philosophy under the regulations for the Honour School of Mathematical and Theoretical Physics.

10. The regulations for the Honour School of Mathematical and Theoretical Physics set out how the results obtained in Parts A and B in the Honour School of Physics and Philosophy are published for candidates who transfer to the Honour School of Mathematical and Theoretical Physics for their Part C examination.

## **DEGREE OF MASTER OF SCIENCE BY COURSE WORK IN MATHEMATICAL AND THEORETICAL PHYSICS**

**With effect from 1 October 2015** (for first examination in 2016)

1. In Examination Regulations, 2012, p.674, after I.10, insert:

‘Mathematical and Theoretical Physics      Mathematical, Physical and Life Sciences’

2. Ibid., p.735, after I.31, insert:

### **‘Mathematical and Theoretical Physics**

1. The Examination in Mathematical and Theoretical Physics shall be under the supervision of the Mathematical, Physical and Life Sciences Board.

2. The Divisional Board of Mathematical, Physical and Life Sciences shall appoint for the supervision of the course a supervisory committee, which shall have the power to approve lectures and other instruction. The committee shall appoint a Director of Studies who will be responsible for ensuring that the programme is set up and the decisions of the committee are carried out.

3. The subject of the MSc of Mathematical and Theoretical Physics shall be Mathematical and Theoretical Physics and related subjects.

4. In the following ‘the Course Handbook’ refers to the Mathematical and Theoretical Physics Handbook and supplements to this published by the Joint Supervisory Committee for Mathematical and Theoretical Physics and also posted on the website at

<https://www.maths.ox.ac.uk/current-students/undergraduates/handbooks-synopses>

5. Each candidate shall follow a course of study in Mathematical and Theoretical Physics for at least three terms.

6. Candidates will complete and be assessed on the following parts:

- (i) Candidates will offer 10 units with one unit corresponding to a 16 hour lecture course.
- (ii) At least four units will be assessed by written, invigilated examinations which will take place. Examination details will be published in the Course Handbook.
- (iii) Candidates may offer one unit which is a dissertation. The dissertation will follow the guidelines and procedures of the Part C Mathematics course outlined in the Special Regulations for the Honour School of Mathematics.
- (iv) The other units will be assessed by marked course work, take-home papers or mini-projects. The Course Handbook will specify which units will be assessed by each method mentioned above.

(v) Candidates will be required to attend an oral examination at the end of the course of studies.

7. The examiners may award a distinction for excellence in the whole examination.

8. A candidate who fails to satisfy the Examiners may retake the examination on at most one subsequent occasion, not later than one year after the initial attempt. In such a case the examiners will specify at the time of failure which components of the examination may or must be redone.

9. Syllabus and examination details will be published each year in the Course Handbook and on the course web pages by the beginning of the Michaelmas Full Term in the academic year of the examination.'

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<b>Mathematical, Physical, and Life Sciences Division</b>
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Approved by Associate Head of Division (Academic) and on behalf of Education Committee
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<b>Title of Programme</b>
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Honour School of Physics and Philosophy
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<b>Brief note about nature of change:</b> update of Part B paper names
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<b>Effective date</b>
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For <i>Examination Regulations</i> 2013
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<b>Location of change</b>
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In <i>Examination Regulations</i> 2012
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<b>Detail of change</b>
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p. 439, line 22

amend to

**Paper B1. *Flows, Fluctuations and Complexity***  
**Paper B2. *Symmetry and Relativity***  
**Paper B3. *Quantum, Atomic and Molecular Physics***  
**Paper B4. *Sub-Atomic Physics***  
**Paper B5. *General Relativity and Cosmology***  
**Paper B6. *Condensed-Matter Physics***  
**Paper B7. *Classical Mechanics***

<b>Explanatory Notes</b>
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The simplification of the three Part B papers names. Prior to this change each B paper had two examinable subjects for example:

Paper B1: *I. Flows, Fluctuations and Complexity*, and *II. Symmetry and Relativity* will become Paper B 1. *Flows, Fluctuations and Complexity*; Paper B2. *Symmetry and Relativity*.

The papers were taken as 2 in one session, but now they are split to one per session, hence the need for the amendment. There is no new content.

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<b>Mathematical, Physical, and Life Sciences Division</b>
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Approved by Associate Head of Division (Academic) and on behalf of Education Committee
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<b>Title of Programme</b>
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<b>Honour School of Physics</b>
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<b>Brief note about nature of change:</b> update of Part B Paper names
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<b>Effective date</b>
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For <i>Examination Regulations</i> 2013
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<b>Location of change</b>
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In <i>Examination Regulations</i> 2012
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<b>Detail of change</b>
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p. 434, line 15

amend to

(a) the candidate shall be required

(i) to offer **six** written papers on Physics, *and*

p. 435, line 24-28

amend to

**Six papers, BI to BIV as follows:**

**B1. *Flows, Fluctuations and Complexity***

**B2. *Symmetry and Relativity***

**B3. *Quantum, Atomic and Molecular Physics***

**B4. *Sub-Atomic Physics***

**B5. *General Relativity and Cosmology***

**B6. *Condensed-Matter Physics***



p. 436, line 3

amend to

(a) the candidate shall be required

**(i) to offer four of the papers B1 to B6 in the Schedule of the four-year course (Part B)  
and**

### **Explanatory Notes**

The simplification of the three Part B papers names. Prior to this change each B paper had two examinable subjects for example:

Paper B1: *I. Flows, Fluctuations and Complexity*, and *II. Symmetry and Relativity* will become Paper B1. *Flows, Fluctuations and Complexity*; Paper B2. *Symmetry and Relativity*

The papers were taken as 2 in one session, but now they are split to one per session, hence the need for the amendment. There is no new content.

**Education Committee****Approved at the meeting of 3 May 2013****MEng Engineering, Economics and Management**

*Explanatory note:* These changes in regulations are to give effect to the decision endorsed by the MPLS and Social Sciences Divisions in consultation with the Senior Tutors' Committee and approved by Education Committee to withdraw the Final Honour Schools in Engineering, Economics and Management and in Materials, Economics and Management. The last intake to the Engineering, Economics and Management programme will be in October 2013. Formal examination in this course would therefore cease in 2016 but subsequent provision (for up to two years) would have to be made for candidates who were unable to complete in this timescale because of illness or other mitigating circumstances. Consideration is being given to ways in which components relating to Economics and Management might still be available in the Engineering single honours course.

**With effect from 1 October 2017**In *Examination Regulations* 2012.

1. Page 63, delete lines 27-29

2. Page 70, lines 13-14

Delete 'Engineering, Economics and Management'.

3. Delete from page 214 to page 217 the special regulations for the Honour School of Engineering, Economics and Management.

4. Page 1101, lines 41-42,

Delete 'or Engineering, Economics and Management'.

5. Page 1125, line 30, as amended by Gazette Supplement (1) to No 5018, 13 March 2013, page 437, first column, line 28

Delete 'Engineering, Economics and Management'.

6. Page 1127, line 41, as amended by Gazette Supplement (1) to No 5018, 13 March 2013, page 438, second column, line 8

Delete 'Engineering, Economics and Management'.

7. Page 1128, as amended by Gazette Supplement (1) to No 5018, 13 March 2013, page 438, second column, line 34

Delete 'Engineering, Economics and Management'.

Additional change, **with effect from 1 October 2013**

8. Page 214, line 4,

After 'MANAGEMENT', insert '*For students commencing the Honour School on or before 1 October 2014 only.*'

**Education Committee**

**Approved at the meeting of 3 May 2013**

**MEng Materials, Economics and Management**

*Explanatory note:* These changes in regulations are to give effect to the decision endorsed by the MPLS and Social Sciences Divisions in consultation with the Senior Tutors' Committee and approved by Education Committee to withdraw the Final Honour Schools in Engineering, Economics and Management and in Materials, Economics and Management. The last intake to the Materials, Economics and Management in October 2014. Formal examination in this course would therefore cease in 2017 but subsequent provision (for up to two years) would have to be made for candidates who were unable to complete in this timescale because of illness or other mitigating circumstances. Consideration is being given to ways in which components relating to Economics and Management might still be available in the Materials single honours course.

**With effect from 1 October 2018**

In *Examination Regulations* 2012.

1. Page 64, delete lines 17-19

2. Page 70, lines 15-16

Delete 'Materials, Economics and Management'.

3. Delete from page 321 to page 325 the special regulations for the Honour School of Materials, Economics and Management.

4. Page 1101, line 42,

Delete 'or Materials, Economics and Management'.

5. Page 1125, line 31, as amended by Gazette Supplement (1) to No 5018, 13 March 2013, page 437, first column, line 30

Delete 'Materials, Economics and Management'.

6. Page 1127, line 42, as amended by Gazette Supplement (1) to No 5018, 13 March 2013, page 438, second column, line 10

Delete 'Materials, Economics and Management'.

7. Page 1128, as amended by Gazette Supplement (1) to No 5018, 13 March 2013, page 438, second column, line 36

Delete 'Materials, Economics and Management'.

Additional change, **with effect from 1 October 2013**

8. Page 321, line 4,

After 'MANAGEMENT', insert '*For students commencing the Honour School on or before 1 October 2015 only.*'

**Mathematical, Physical, and Life Sciences Division**

Approved by: Continuing Education Board, Mathematical, Physical and Life Sciences Divisional Board, and Education Committee

**Title of Programme**

**MSc in Mathematical Finance**

**Brief note about nature of change:**

**Effective date**

With effect from **1 January 2014**

**Location of change**

In *Examination Regulations* 2012

**Detail of change**

**(A) Regulations governing the M.Sc. in Mathematical Finance (old regulations)**

1. p. 732, l.23-25, delete:

“The Mathematical, Physical and Life Sciences Board, jointly with the Continuing Education Board, shall elect for the supervision of the course a Standing Committee which shall have the power to arrange lectures and other instruction.”

and substitute:

“The Mathematical, Physical and Life Sciences Board shall elect for the supervision of the course a Supervisory Committee which shall have the power to arrange lectures and other instruction.”

2. Ibid, l. 43, *delete*:

“Standing Committee”

and substitute:

“Supervisory Committee”

3. Ibid, p.733, l.1, *delete*:

“Standing Committee”

and substitute:

“Supervisory Committee”

4. Ibid, l.2-3, *delete*:

“c/o Registry, Department for Continuing Education, 1 Wellington Square, Oxford OX1 2JA”

“c/o the Academic Administrator for Mathematical Finance, Mathematical Institute”

5. Ibid, l.4, *delete*:

“Registry”

and substitute:

“Mathematical Institute”

6. Ibid, l.38, *delete*:

“Standing Committee”

and substitute:

“Supervisory Committee”

### **(B) Regulations governing the M.Sc. in Mathematical Finance (new regulations)**

1. p. 734, l.1-3, delete

“The Mathematical, Physical and Life Sciences Board and the Continuing Education Board shall elect for the supervision of the M.Sc. a Standing Committee which shall have the power to arrange lectures and other instruction.”

and substitute:

“The Mathematical, Physical and Life Sciences Board shall elect for the supervision of the M.Sc. a Supervisory Committee which shall have the power to arrange lectures and other instruction.”

2. Ibid, l.33, delete:

“Standing Committee”

and substitute:

“Supervisory Committee”

3. Ibid, l.47, delete:

“Standing Committee”

and substitute:

“Supervisory Committee”

4. Ibid, l.48-49, delete:

“c/o Registry, Department for Continuing Education, 1 Wellington Square, Oxford OX1 2JA.”

and substitute:

“c/o the Academic Administrator for Mathematical Finance, Mathematical Institute.”

5. Ibid, l.49, delete:

“Registry”

and substitute:

“Mathematical Institute”

6. Ibid, p.735, l.20, delete:

“Standing Committee”

and substitute:

“Supervisory Committee”

7. Ibid, l.25, delete:

“Standing Committee”

and substitute:

“Supervisory Committee”

8. Ibid, l.28, delete:

“Standing Committee”

and substitute:

“Supervisory Committee”

**(D) Examination of students**



1. p. 674, l.9-10, delete:

“/Continuing Education”

### **Explanatory Notes**

The Mathematical Finance Programme (consisting predominantly of the MSc in Mathematical Finance) is currently under the joint governance of the Continuing Education (CE) Board and the Mathematical, Physical and Life Sciences (MPLS) Divisional Board. The Programme is moving to be solely under the oversight of the MPLS Division, and will be entirely run and administered from within the MI and MPLS Division for all cohorts.

Since September 2008 all academic staff involved in the Programme were already employed solely by the Mathematical Institute (MI) within the MPLS Division and the majority of the day-to-day administration of the Programme has moved from the Department for CE to the MI, and oversight of Quality Assurance matters was transferred to the MPLS Division.

This transfer moves the small amount of oversight and functions currently undertaken by the Department for CE / the CE Board to the MI and replaces the joint Standing Committee which oversees the programme, with a Supervisory Committee within the MI.

**Mathematical, Physical and Life Sciences Division**

**Approved at the meeting of [date] N/A**

**Title of Programme**

FHS in Mathematics and Philosophy

**Brief note about nature of change:** redefinition of 'units in Mathematics', in line with FHS Mathematics Regulations.

**Effective date**

With effect from 1 October 2013.

**Location of change**

In *Examination Regulations* 2012

**Detail of change**

p.335, l.14-15

delete

"In Part C each candidate shall offer a total of three units chosen in any combination from the lists of Mathematics and for Philosophy"

and replace by

"In Part C each candidate shall offer one of the following:

- (i) Six units in Mathematics;
- (ii) Four units in Mathematics and one unit in Philosophy;
- (iii) Two units in Mathematics and two units in Philosophy;
- (iv) Three units in Philosophy;

from the lists for Mathematics and for Philosophy."

**Explanatory Notes**

This change is necessary to rectify an unintended error which has been caused in the Mathematics & Philosophy Regulations due to the re-definition of 'unit' within the regulations for Mathematics and other associated joint schools.

**Mathematical, Physical, and Life Sciences Division**

Approved by Char's action

**Title of Programme:** Preliminary Examination and Honour School of Chemistry

**Brief note about nature of change:** To update regulations to reflect pass lists are no longer published.

**Effective date**

With effect from 1. October 2013

**Location of change**

Examination Regulations 2012

**Detail of change**

1. p. 90, ll 27-32, delete:

"4. In the case of candidates who offer all four subjects ... who have satisfied them in each of the subjects offered."

2. Ibid, l. 33, delete:

"5"

And substitute:

"4"

3. Ibid, l. 35, delete:

"6"

And substitute:

"5"

4. Ibid, l. 40, delete:

“7”

And substitute:

“6”

5. Ibid, p. 167, ll. 20-23, delete:

“The name of a candidate shall not be published in a class list ... consecutive years.”

And substitute:

“A candidate shall not be awarded a classified degree until he or she has completed all parts of the examinations, and has been adjudged worthy of honours by the examiners in Part I (Part IA and Part IB) and Part II of the examination in consecutive years.”

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**Explanatory Notes**

Minor changes to reflect that pass lists are no longer published.

## Supplementary Subjects in Some Final Honour Schools

### Supplementary subjects in the Honour Schools of Chemistry, Materials Science, Biological Sciences, Medical Sciences, Cell and Systems Biology, Neuroscience and Molecular and Cellular Biochemistry, 2013-14

The following supplementary subjects will be taught and examined during 2013-14. Details of the availability of supplementary subjects to candidates in different Honour Schools are given in the notes below.

#### 1. *Aromatic and Heterocyclic Pharmaceutical Chemistry*

*Lectures:* sixteen hours in MT; fourteen hours in HT

*Examined:* end of HT

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#### 2. *History and Philosophy of Science*

*Lectures:* eight hours in MT; eight hours in HT

*Examined:* end of HT

---

#### 3. *Quantum Chemistry*

*Lectures:* sixteen hours in MT; fourteen hours in HT

*Examined:* end of HT

---

#### 4. *Modern Languages*

*Lectures:* thirty-two hours in TT

*Examined:* end of TT

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#### 5. *Chemical Pharmacology*

*Lectures:* four hours in MT; twelve hours in HT

*Examined:* end of HT

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#### 6. *Chemical Crystallography*

*Lectures:* nineteen hours from mid-MT to mid-HT

*Examined:* end of HT

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*Notes:*

(a) For candidates in Chemistry, all of the above Supplementary Subjects are available.

(b) For candidates in Materials Science, only subjects 2 and 3 are available. [Foreign language provision for Materials students is separate from the Supplementary Subject scheme, for details please see the entry in the Materials Course Handbooks.]

(c) For candidates in Biological Sciences, only subjects 2, 3, and 5 are available.

(d) For candidates in Medical Sciences, Cell and Systems Biology and Neuroscience, only subjects 2 and 5 are available.

(e) For candidates in Molecular and Cellular Biochemistry, only subjects 1, 2, 3, 5 and 6 are available.

(f) Chemistry and Physics will share Language Courses in 2013-14. Details on the languages available can be found at <http://course.chem.ox.ac.uk/supplementary-sub.aspx>.

(g) Details of all Supplementary Subjects can be found at <http://course.chem.ox.ac.uk/supplementary-sub.aspx>.

**Mathematical, Physical & Life Sciences Division****Approved at the meeting of [date] N/A****Title of Programme**

Master of Science in Computer Science

**Brief note about nature of change:** change to hand-in deadline for practical work.**Effective date**

With effect from 1 October 2013

**Location of change**In *Examination Regulations* 2012**Detail of change**

p. 689, l. 42-43

Delete

"Not later than noon on Wednesday of Week 0 of the following term,"

And substitute

"Not later than noon on Monday of the fifth week of Trinity Term,"

**Explanatory Notes**

The rationale is to replace multiple deadlines for handing in practical work with one deadline in Trinity term. This will simplify the process for students by reducing the number of deadlines and reminders that are currently sent out. It also mirrors the department's current practice for practical work submission in its undergraduate degrees.



**Mathematical, Physical, and Life Sciences Division**

**Approved at the meeting of:** N/A

**Title of Programme**

Honour School of Materials Science

**Brief note about nature of change:** deletion of information which is now unnecessary

**Effective date**

With effect from 1 October 2013

**Location of change**

In *Examination Regulations 2012*

**Detail of change**

p.316

delete I.30-31 "For candidates who embark on the Final Honours School on or after 1st October 2012:"

**Explanatory Notes**

From October 2013 there will no longer be any candidates taking Part 1 who embarked on the Final Honour School before 1st October 2012, so this information is no longer required.

**Mathematical, Physical, and Life Sciences Division**

**Approved at the meeting of:** N/A

**Title of Programme**

Honour School of Materials, Economics and Management

**Brief note about nature of change:** deletion of information which is now unnecessary

**Effective date**

With effect from 1 October 2013

**Location of change**

In *Examination Regulations 2012*

**Detail of change**

p.321

delete I.34-35 "For candidates who embark on the Final Honours School on or after 1st October 2012:"

**Explanatory Notes**

From October 2013 there will no longer be any candidates taking Part 1 who embarked on the Final Honour School before 1st October 2012, so this information is no longer required.

**Mathematical, Physical and Life Sciences Division**

**Approved at the meeting of [date] N/A**

**Title of Programme**

FHS in Mathematics and Computer Science

**Brief note about nature of change:** minor updates for consistency

**Effective date**

With immediate effect

**Location of change**

In *Examination Regulations* 2012, as amended by Gazette of 18/04/13

**Detail of change**

1.

p. 329, l. 39

delete “obtains only a Pass or”

2.

(as in Gazette of 18/04/13)

The paper called

“A1 (CP) Algebra 1 and Differential Equations 1”

Should be re-named as

“A1 (CP) Algebra 1”

**Explanatory Notes**

These changes correct some minor inconsistencies.