

Mathematical, Physical, and Life Sciences Division

Approved at the meeting of N/A

Title of Programme

Honour School of Computer Science and Philosophy

Brief note about nature of change: This change brings the regulations into line with the other joint degree in Mathematics and Computer Science.

Effective date

With effect from 1 October 2013.

Location of change

In *Examination Regulations* 2012

Detail of change

p. 203, ll. 23, insert. "The manner of examining the subjects in Schedule A (CS&P) shall be the same as that prescribed for the same subject in the Honour School of Computer Science." after "*Models of Computation.*"

Explanatory Notes

This change brings the regulations into line with the other joint degree in Mathematics and Computer Science.

Mathematical, Physical, and Life Sciences Division**Approved at the meeting of N/A****Title of Programme**

Honour School of Computer Science

Brief note about nature of change: To allow the Object-Oriented Programming course to be examined in the most appropriate manner.**Effective date**

With effect from 1 October 2013.

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

p. 201, ll. 14. insert "or both," after "written examination,"

Explanatory Notes

The nature of the Object Oriented Programming course is such that the most appropriate means of assessing both the theoretical and practical elements may be a combination of written examination and short mini project. We would like the Regulations to give us flexibility to vary the means of assessment, as appropriate. Students will be well-briefed on the mode of assessment, with details being published in the Exam Conventions, the Course Handbook and the Notice to Candidates.

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: Changes to submission deadlines; other clarifications; and typographical corrections.

Effective date

With immediate effect.

Location of change

In *Examination Regulations* 2012 as amended by *Gazettes* of 21/03/13, 18/07/13.

Detail of change

As overleaf.

Explanatory Notes

Hand-in deadlines are being amended in light of revised University guidance.

Other changes serve to clarify or amplify existing statements within the Regulations, and to correct typographical errors.

[Until 1 October 2015:] SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATERIALS SCIENCE

A

1. The subject of the Honour School of Materials Science shall be the study of Materials Science.
- 5 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.
- 10 4. The examination 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: this requirement shall normally be satisfied by the Examiners' assessment of the practical work done by candidates during their course of study.
5. No candidate may present him or herself for examination in Part II unless he or she has been adjudged worthy of Honours by the Examiners in Part I.
- 15 6. The name of a candidate 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 of the respective examinations.
- 20 7. The Examiners shall be entitled to award a pass to candidates in Part I who have reached a standard considered adequate but who have not been adjudged worthy of Honours. 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.
- 25 8. A candidate who obtains only a pass, or fails to satisfy the Examiners, may enter again for Part I of the examination on one, but no more than one, subsequent occasion. Part II shall be entered on one occasion only.
9. A candidate adjudged worthy of Honours in Part I and worthy of Honours in Part II may supplicate for the Degree of Master of Engineering in Material Science, provided that the candidate has fulfilled all the conditions for admission to a degree of the University.
- 30 10. A candidate 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 Material Science (pass or unclassified Honours, 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; and provided in each case that the candidate has fulfilled all the conditions for admission to a degree of the University.
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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:
5 <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 Part I examination.
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 Chair 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 Chair 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.
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 - 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 Part I.
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 - 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.
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PART I

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 normally will be normally such that candidates may reasonably be expected to answer a high proportion of them.
2. Two Materials Options Ppapers, 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. Normally, failure to complete satisfactorily all five elements of Materials Coursework will constitute failure of Part I of the Second Public Examination. The coursework elements shall be:

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a) *Materials Practical Classes*

Candidates shall be required to submit a set of 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 Chair 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. noon on Friday-Tuesday of the first-second week of Michaelmas Full Term in the year of Part I 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 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 Chair of Examiners in the Honour School of Materials Science, 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 Chair of the Examiners in the Honour School of Materials Science, c/o the Deputy Administrator \(Academic\) in the Department of Materials \(or their deputy as nominated in the Course Handbook\), 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 Chair of the Examiners in the Honour School of Materials Science, c/o the Deputy Administrator \(Academic\) in the Department of Materials \(or their deputy as nominated in the Course Handbook\), 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~~ [Elements of coursework](#) 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.

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 Option Papers 1 and 2*

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

PART II

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;
- 5 (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.

10 Each candidate shall be examined viva voce, and, if the [eExaminers](#) 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.

15 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 [calendar](#) year in which he or she satisfied the [eExaminers](#) 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
20 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, [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
25 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, [tables](#) and the figure captions. Additionally, the main report should not normally exceed **100 pages** in length (including an
30 abstract, the text as defined above for the word limits, the three Project Management Forms, computer programs, 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 Chair of Examiners at an early stage. Further detailed data, computer programs and similar material may be
35 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.

Honour School of Materials Science (Pre 1 October 2015) – Part II

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 ~~4~~Divisional ~~6~~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 ~~6~~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.

10 *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.

[From 1 October 2015:] SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATERIALS SCIENCE

New Regulations for candidates who embark on the Final Honour School on or after 1st October 2015

A

- 5 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.
- 10 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 Material 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.
- 15 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.
- 20 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 be satisfied by the Examiners' assessment of the practical work done by candidates during their course of study.
- 25 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.
- 30 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.
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Honour School of Materials Science (From 1 October 2015)

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 eExaminers in Part I and Part II of the examination in consecutive years. The Eexaminers shall give due consideration to the performance in all parts of the respective examinations.
- 5 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 eExaminers. The Eexaminers shall give due consideration to the performance in all parts-elements of the respective examinations.
- 10 11. For candidates for the degree of Master of Engineering in Materials Science the Eexaminers 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. 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
15 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.
- 20 12. For candidates for the degree of Bachelor of Arts in Materials Science the Eexaminers 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) and (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.
- 25 13. A candidate for the degree of Master of Engineering in Materials Science who obtains a mark of less than 50% averaged over all elements of assessment for the Part I Examination or who fails to satisfy the
30 eExaminers 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 eExaminers 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.
- 35 14. A candidate for the degree of Bachelor of Arts in Materials Science who obtains only a pass, or fails to satisfy the eExaminers, 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 eExaminers 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 eExaminers shall be entitled to award a 3rd class Honours classification to a candidate who is adjudged worthy of Honours and obtains a mark of 40% or more
40 averaged over all elements of assessment on the occasion of the resit. The eExaminers 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 the resit.

Honour School of Materials Science (From 1 October 2015)

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 Material Science, provided that the candidate has fulfilled all the conditions for admission to a degree of the University.
- 5 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.
- 10 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 is permitted to supplicate for the degree of Bachelor of Arts in Material Science (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 15 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~~ Second public ~~Public examination~~ Examination but is not adjudged worthy of Honours is permitted to supplicate for the degree of Bachelor of Arts in Material Science (pass); provided that no such candidate may later supplicate 20 for the degree of Bachelor of Arts (classified or unclassified ~~honours~~ 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

- 25 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>
- 30 2. Candidates are restricted to models of calculators included in the Course Handbook published in the academic year preceding 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.
- 35 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 Chair 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 Chair of the Faculty of Materials and the Director of

Honour School of Materials Science (From 1 October 2015)

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.

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- 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..
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- 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 normally will be ~~normally~~ such that candidates may reasonably be expected to answer a high proportion of them.
2. Two Materials Options 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. Normally, failure to complete satisfactorily all five elements of Materials Coursework will constitute failure of Part I of the Second Public Examination. The coursework *elements* shall be:

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a) *Materials Practical Classes*

Candidates shall be required to submit a set of 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 Chair of the Examiners in the Honour School of Materials Science, 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. noon~~ on ~~Friday-Tuesday~~ of the ~~first-second~~ week of Michaelmas Full Term in the year of Part I 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 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 Chair of Examiners in the Honour School of Materials Science, 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 [Chair of the Examiners in the Honour School of Materials Science, c/o the Deputy Administrator \(Academic\) in the Department of Materials \(or their deputy as nominated in the Course Handbook\)](#), ~~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 [Chair of the Examiners in the Honour School of Materials Science, c/o the Deputy Administrator \(Academic\) in the Department of Materials \(or their deputy as nominated in the Course Handbook\)](#), ~~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~~ [Elements of coursework](#) 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~~ ~~third~~ ~~Friday~~ ~~Monday~~ 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, tables and the figure captions.

~~Essays or reports~~ Elements of coursework 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*

5 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

10 *General Paper 4: Engineering Applications of Materials*

b) *Materials Option 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:

- 5
- (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
- 10 Materials.

Each candidate shall be examined viva voce, and, if the [eExaminers](#) 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.

15 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 [calendar](#) year in which he or she satisfied the [eExaminers](#) in Part I. Such notice must be given on a form to be obtained from the Registrar, University Offices.

20 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 Chair 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,

25 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, [tables](#) 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 programs, 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

30 Chair of Examiners at an early stage. Further detailed data, computer programs 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.

Honour School of Materials Science – MEng MS Part II

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.

10 *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.

Mathematical, Physical, and Life Sciences Division

Approved at the meeting of: N/A

Title of Programme

Honour School of Materials, Economics & Management

Brief note about nature of change: Changes to submission deadlines; other clarifications; and typographical corrections.

Effective date

With immediate effect.

Location of change

In *Examination Regulations* 2012 as amended by *Gazettes* of 14/02/13, 27/06/13, 18/07/13.

Detail of change

As overleaf.

Explanatory Notes

Hand-in deadlines are being amended in light of revised University guidance.

Other changes serve to clarify or amplify existing statements within the Regulations, and to correct typographical errors.

SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF MATERIALS ECONOMICS, AND MANAGEMENT

A

1. The subjects of the Honour School shall be (a) Materials, (b) Economics, and (c) Management.
- 5 2. All candidates must offer (a), (b), and (c). The examination in all three subjects may be partly practical.
3. No candidate shall be admitted to examination in this school unless he or she has either passed or been exempted from the First Public Examination.
4. The examination in this school shall be under the joint supervision of the Mathematical, Physical and Life
10 Sciences Board and the Social Sciences Board. The standing joint committee set up in accordance with the sub-section relating to the Honour School of Engineering, Economics, and Management shall have power to make regulations concerning this school, subject always to the preceding clauses of this sub-section.
5. The examination shall consist of Part I and Part II. In both parts candidates shall be examined in the subjects prescribed by the committee set up in accordance with the provisions of clause 4 above. In Part II candidates shall also present, as part of the examination, a report on either a project carried out during a period of
15 attachment to an industrial firm, or an industrially-related internal university project.
6. The name of a candidate in this school shall not be published in a class list unless he or she has been adjudged worthy of Honours by the eExaminers in Part I and in Part II of the respective examinations in consecutive years, and no candidate may present himself or herself for examination in Part II unless he or she has been adjudged worthy of Honours by the eExaminers in Part I.
- 20 7. The eExaminers shall be entitled to award a pass to candidates in Part I who have reached a standard considered adequate but who have not been adjudged worthy of Honours. 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
25 of the Second Public Examination, and (c) satisfy the coursework requirements set out in Section B, Part I below.
8. A candidate who obtains only a pass, or fails to satisfy the eExaminers, may enter again for Part I of the examination on one, but no more than one, subsequent occasion. Part II shall be entered on one occasion only.
- 30 9. A candidate adjudged worthy of Honours in Part I and Part II may supplicate for the Degree of Master of Engineering in Materials, Economics, and Management provided that the candidate has fulfilled all the conditions for admission to a degree of the University.

Honour School of Materials, Economics & Management

10. A candidate 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, Economics, and Management (pass or unclassified Honours, 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, Economics, and Management; and provided in each case that the candidate has fulfilled all the conditions for admission to a degree of the University.

11. The examiners for Materials shall be appointed by the committee for the nomination of Public Examiners in Materials Science in the Honour School of Materials; those for Economics shall be appointed by the committee for the nomination of examiners in Economics in the Honour School of Philosophy, Politics, and Economics; those for Management shall be appointed by the committee for the nomination of examiners in Management Studies for the Degree of Master of Philosophy.

B

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>

PART I

Candidates will be required to take seven papers as follows:

- a) *Materials* The four general papers of three hours each on the fundamental principles and engineering applications of the subject as specified for Part I of the Honour School of Materials Science.
- 5 b) *Economics* Two papers: Ec1—Introductory Economics (as specified in the regulation relating to the Introductory Economics paper of the Economics and Management Preliminary Examination). Microeconomics (as specified for the Honour School of Philosophy, Politics, and Economics).
- c) *Management* One paper: M1—General Management (as specified in the regulation relating to the General Management paper of the Economics and Management Preliminary Examination).

10 Candidates will take paper Ec1 in the third term after passing the First Public Examination and the remaining papers in the sixth term after passing the First Public Examination.

For all written papers, candidates are restricted to models of hand-held calculators as specified for the Honour School of Materials and published in the Course Handbook.

15 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. Normally, failure to complete satisfactorily all three elements of Materials coursework will constitute failure of Part I of the Second

20 Public Examination.

The coursework *elements* shall be:

a) *Materials Practical Classes*

Candidates shall be required to submit a set of detailed reports of the practical work completed over a period of five terms subsequent to the sitting of the First Public Examination. Such reports should be handed in to the Chair 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. noon~~ on ~~Friday~~ Tuesday of the ~~first~~ second week of Trinity Full Term in the year of Part I 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 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.

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c) *Team Design Project*

5 | 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 [Chair of the Examiners in the Honour School of Materials Science, c/o the Deputy Administrator \(Academic\) in the Department of Materials \(or their deputy as nominated in the Course handbook\), 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.

10 | ~~Reports~~ [Elements of coursework](#) previously submitted for the Honour School of Materials, Economics and Management may be resubmitted. No 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.

Schedule

PART II

Candidates will be required to present a report on either a project carried out during a twenty-four week period of attachment to an industrial firm, or an industrially-related [internal](#) university project, and to take two papers.
5 | [Normally the project will be a Management Project.](#) One paper must be from (a), and the other may be from (b) or (c). The papers are described as:

a) *Materials*

Materials Options Paper 2, as specified for Part I of the Honour School of Materials Science. The subjects for this paper will be published annually in the Course Handbook.

10 | b) *Economics; c) Management*

Optional papers:

The list from which papers in (b) may be selected shall be published annually by the Faculty of Economics no later than the end of Trinity Full Term of the academic year preceding the Part II examination. The list from which papers in (c) may be selected shall be published annually by the Faculty of Management Studies no later than the end of Trinity Full Term of the academic year preceding the
15 | Part II examination.

The regulations on the use of calculators in Part I also apply in Part II.

Candidates will be required to undertake either a twenty-four week period attached to an industrial firm, or a twenty-four week internal university project. The former will be undertaken between the end of the Trinity Full
20 | Term in the [academic](#) year in which the Part I examination is held and the beginning of Hilary Full Term in the year in which the Part II examination is held. The latter will run from the beginning of Michaelmas Term to the beginning of Trinity Term in the year in which the Part II examination is held. Candidates will be required to present, as part of the Part II examination, a report on a project carried out during this period under the supervision of a person approved by the standing committee for the school.

25 | The industrial [attachment and associated Management Project](#) or [the](#) industrially-related [attachment and internal University](#) project required for the course [normally](#) will ~~normally~~ be arranged by, and must be approved by, the Management Project Co-ordinator.

The report shall not exceed 20,000 words.

Two copies of External project reports must be submitted by noon on the Friday of the week before the start of Hilary Full Term in the year following the year in which the Part I examination is held. Two copies of Internal
30 | project reports must be submitted by noon on Friday of the fourth week of Trinity Term of that year. Reports must be addressed 'Examination Schools, High Street, Oxford, OX1 4BG, for the Chair of the Examiners in the Honour School of Materials, Economics, and Management', and should be accompanied by a signed statement by the candidate that it is his or her own work. Successful candidates will be required to deposit one copy of the
35 | report in the library of the Department of Materials and the other in the library of the Business School. Project reports previously submitted for the Honour School of Materials, Economics, and Management may be resubmitted. No project 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 of any other institution.

Periods of required residence in addition to full term

For the purpose of sitting the written examination paper Ec1 – Introductory Economics. In the academic year preceding Part I of the Second Public Examination, from the first Monday following Trinity Full Term to the first Saturday following Trinity Full Term.

- 5 For the purpose of sitting the written examination paper General Management. In the academic year of Part I of the Second Public Examination, from the first Monday following Trinity Full Term to the first Saturday following Trinity Full Term.

Candidates undertaking management projects will be required to keep statutory residence for workshops, as specified by the Course Director, in the year in which the Part I examination is taken in order to prepare for the projects to be carried out as part of the Part II examination.

10

Mathematical, Physical, and Life Sciences Division**Approved at the meeting of N/A****Title of Programme**

Software Engineering Programme

Brief note about nature of change: A) To remove the list of Module titles from the Examination Regulations and replace this with the requirement that they are published on the programme website. B) To correct a minor inconsistency.

Effective date

With effect from 1 October 2013.

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

- 1) p. 770, after line 44 "...or Postgraduate Diplomas."
insert
"13. Schedules A-D of modules will be published at
<http://www.cs.ox.ac.uk/softeng/courses/subjects.html> . If insufficient students register for a module the Programme Director may make the decision not to offer that module."
and renumber accordingly.
- 2) p.771, l.3 delete "below"
- 3) p.771, l.6 delete "below"
- 4) p.771, l.13 delete "below"
- 5) p.771, l.13 after "of which" insert "at least"
- 6) p.771, l.17 delete "below"
- 7) p.771, l.27 delete "below"
- 8) p.771, l.33 delete "below"
- 9) p.771, l.40 delete "below"
- 10) p.771, l.46 delete "below"
- 11) p.771, l.47 delete "below"

- 12) p.772, l.3 delete "below"
- 13) p.772, l.4 delete "below"
- 14) p.772, l.22 delete "below"
- 15) p.772, l.27 delete "below"
- 16) p.772, l.39 delete "13", insert "14"
- 17) p.773 l. 11 – p.774 l. 10 delete "Schedule of Modules...following twelve months."

Explanatory Notes

- A) Students are admitted to the programme at various times during the year, and usually stay on the programme for several years. Modules are usually taught at least once a year, maybe 2 or 3 times, and most can be studied in any order. The notion of publishing a list of modules at specific times during the academic year does not suit the nature of the programme. A list is published in advance on the course website.
- B) Clause 13b(i) erroneously states "of which six should come from Schedule C" rather than "of which at least six should come from Section C". This change brings the format of this clause into line with other similar clauses stated here.

Mathematical, Physical, and Life Sciences Division

Approved at the meeting of N/A

Title of Programme

Honour School of Chemistry

Brief note about nature of change: To amend the extended term dates for Chemistry Part II in 2013-14 (as these clash with the Christmas break) and to remove the definition of these term dates (which has led to this clash) from the Examination Regulations.

Effective date

With effect from 1 October 2013.

Location of change

In *Examination Regulations* 2013

Detail of change

1) p.vii

For Part II candidates in Chemistry

2013

Michaelmas: Thursday 26 September to Sunday 22 December

2014

Hilary: Monday 6 January to Thursday 17 April

Trinity: Monday 28 April to Saturday 12 July

Michaelmas: Thursday 25 September to Tuesday 23 December

2) p. 172, lines 1 – 8

Candidates for Part II are required to keep statutory residence and pursue their investigations in Oxford during a period of at least thirty-eight weeks in three terms. The dates of these extended terms will be published annually in the Examination Regulations, in the Course Handbook, and on the student gateway (http://www.ox.ac.uk/about_the_university/university_year/dates_of_term.html). The divisional board shall have power to permit candidates to vary the dates of their residence so long as the overall programme requirement is met.

Explanatory Notes

This change amends the extended term dates for Chemistry Part II in 2013-14 (as the dates currently in the Examination Regulations clash with the Christmas break) and removes the definition of these term dates (which has led to this clash) from the Examination Regulations.

Mathematical, Physical and Life Sciences Division**Approved at meeting of Divisional Academic Audit Committee, 12/11/13****Title of Programme**

Final Honour School of Chemistry

Brief note about nature of change: Length of written examination papers.**Effective date**

With immediate effect.

Location of changeIn *Examination Regulations 2013***Detail of change**

1. Page 170, line 34, delete 'two and a half hour'
2. Page 170, line 37, delete 'two and a half hour'

Explanatory Notes

The Chemistry Academic Board wishes to extend the time of written examinations in Part IB from two and a half to three hours, without any change in the format of the examinations. The Board considers that this length will be more appropriate. The change has the support of both examiners and students, and is workable in practical terms. In changing the length published in the regulations the Academic Board also wishes to take the opportunity to remove the specified length of all examination papers from the Examination Regulations, as is general practice elsewhere in the Division. The length of the examination papers will continue to be published annually by the Chemistry Academic Board in the examination conventions.

[your ref]

Board of Mathematical, Physical and Life Sciences Division

Approved at the meeting of MPLS Academic Audit Committee, 18 February 2014

Title of Programme

Changes to regulations for:

- Doctoral training programmes under the supervision of the MPLS Division, or under the joint supervision of the MPLS Division and one other divisional board.
- MSc in Theoretical Chemistry

Brief note about nature of change: See below.

Effective date

1 October 2014

Location of change

See below for location of each change.

Detail of change

See below for location of each change.

Explanatory Notes

a) New CDTs: Departments in the MPLS Division have won a larger number studentships for doctoral training programmes, now known as Centres of Doctoral Training (CDT) or Doctoral Training Partnerships (DTP). Like previous forms of doctoral training programmes, these are four year doctoral programmes with an intensive first year of training. Transfer deadlines are consequently different to the standard DPhil. These new programmes need to be added to the Special Regulations. The new doctoral training programmes are:

1. Theory and Modelling in Chemical Sciences (EPSRC CDT)
2. Synthetic Biology (EPSRC & BBSRC CDT)
3. New & Sustainable Photovoltaics (EPSRC CDT)
4. Autonomous Intelligent Machines and Systems (EPSRC CDT)
5. Science and Application of Plastic Electronic Materials (EPSRC CDT)
6. Oil and Gas (NERC CDT)
7. Gas Turbine Aerodynamics (EPSRC CDT)

8. Industrially Focused Mathematical Modelling (EPSRC CDT)
9. Partial Differential Equations: Analysis and Applications (EPSRC CDT)
10. Diamond Science and Technology (EPSRC CDT)
11. Synthesis for Biology and Medicine (EPSRC CDT)
12. Statistical Science (EPSRC CDT)
13. Environmental Research (NERC DTP)

b) Changes to account for specific details of new collaborative CDTs

- (i) A proportion of students on the Statistical Sciences and Synthetic Biology CDTs will be admitted by a partner institution (Warwick, Bristol), spend their full training year at Oxford, and be registered and matriculated at Oxford for that first year as a PRS. In the second year, these students will continue to one of those partnership universities to complete their programme, at which point the partner university will take over registration.
- (ii) All students admitted to the CDT in Theory and Modelling in Chemical Sciences will be admitted by Oxford, and enrolled for one year on the MSc in Theoretical and Computational Chemistry. During this first year, the organising committee for the MSc will determine which university students will progress to, provided they successfully complete the MSc. A proportion will remain at Oxford to complete their DPhil. For students staying at Oxford in years 2 to 4 of their course, the regulations make clear that students have only three terms of PRS status after they have completed their MSc. The regulations also make clear the timing of confirmation of status for these particular students.
- (iii) Students admitted by the University on the Gas Turbine Aerodynamics, Diamond Science & Technology, and Plastic Electronics CDTs will undertake their initial training year at a different university, take a taught Masters course at that partner university, and then move to Oxford from their second year to complete their DPhil. The regulations make clear that students have only three terms of PRS status after they have completed their taught Masters course, and make clear the timing of confirmation of status.

c) Merging of regulations: Special Regulations for EPSRC doctoral training programmes supervised solely by the MPLS Division appear on page 907-8 of the 2013 Examination Regulations. Special Regulations for the BBSRC DTP in Interdisciplinary Biosciences appear on page 909-10, and are essentially a duplicate, except that they state that the BBSRC programme is under the joint supervision of the Board of the MPLS and Medical Sciences Divisions. The new NERC DTP in Environmental Science will be under the joint supervision of the Boards of MPLS and Social Sciences. The regulations for all these programmes have been re-written so that there is only one set of regulations for all 'doctoral training programmes' supervised solely by MPLS, or by MPLS and another division.

d) Students starting their doctoral training programme from Oct 2014 will be expected to apply for transfer of status 'before the end of the fifth term', rather than 'after a minimum of five terms'.

e) These regulations updates the regulations for doctoral training programmes to reflect the decision by Education Committee in 2012/13 to reduce the maximum number of extensions from 9 to 6 terms with immediate effect from Oct 2013, regardless of cohort.

g) Regulations that simply repeat clauses from the General Regulations have been

removed.

MPLS SPECIAL REGULATIONS FOR DOCTORAL TRAINING PROGRAMMES

Location of change: Examination Regulations 2013, pages 907 line 16, through to page 910 line 34

Effective date: 1 October 2014

~~7. Doctoral Training Programmes 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~~

~~[From 1 October 2013: FUSION DOCTORAL TRAINING NETWORK; DOCTORAL TRAINING CENTRE IN CYBER SECURITY]~~

1. Programmes covered by these regulations General regulations

These regulations shall apply to all research students registered on the following programmes ~~above named doctoral training programmes~~, irrespective of the division or department they are based within for their research project. ~~In these regulations the above named doctoral training programmes are described as Doctoral Training Centre Programmes.~~

i) Centres for Doctoral Training in: Autonomous Intelligent Machines and Systems; Cyber security; Diamond Science and Technology; Gas Turbine Aerodynamics; Healthcare Innovation; Industrially Focused Mathematical Modelling; New and Sustainable Photovoltaics; Oil and Gas; Partial Differential Equations: Analysis and Applications; Science and Application of Plastic Electronic Materials; Science and Technology of Fusion Energy; Statistical Science; Systems Approaches to Biomedical Science; Synthesis for Biology and Medicine; Synthetic Biology; and Theory and Modelling in Chemical Sciences;

ii) Doctoral Training Centres in: Life Sciences Interface; and Systems Biology;

ii) Doctoral Training Partnership in Environmental Research;

iii) Doctoral Training Partnership in Interdisciplinary Bioscience.

The programmes listed in (i) and (ii) shall be under the supervision of the Board of the Mathematical, Physical, and Life Sciences Division.

The programmes listed in (iii) shall be under the joint supervision of the Boards of the Mathematical, Physical, and Life Sciences Division, and the Social Sciences Division. They shall appoint a Management Board to run the programme.

The programme listed in (iv) shall be under the joint supervision of the Boards of the Mathematical, Physical, and Life Sciences Division, and the Medical Sciences Division. They shall appoint a Management Board to run the programme.

~~The provisions of the following regulations shall apply, except as specifically provided below: Regulations for Admission as a Probationer Research Student; Regulations for the Degree of Master of Science by Research; Regulations for the Degree of Doctor of Philosophy (§1-7); General Regulations of the Education Committee governing the examination of students for the degrees of M.Sc. by Research, M.Litt. and D.Phil., and concerning the maintenance of the register of graduate students; and the Special Regulations of Divisional and Faculty Boards concerning the status of Probationer Research Student and the degrees of M.Litt, M.Sc. by Research, and D.Phil. Mathematical, Physical and Life Sciences Division; and Medical Sciences Division; depending on the department and division in which the student carries out their research.~~

~~For the purposes of these regulations 'Board' shall mean the Mathematical, Physical and Life Sciences Divisional Board, or the Medical Sciences Divisional Board, or the Social Sciences Divisional Board, depending on the department and division in which the student carries out their research.~~

~~2. Register of Probationer Research Students The board may grant a student suspension from the Register of those admitted to the status of Probationer Research Student or deprive a student of his or her status; and in such cases it shall at all times follow procedures determined by the Education Committee by regulation. The board may also reinstate a student to the Register; provided that the total number of terms a student has spent as a Probationer Research Student has not exceeded seven terms in the case of a student on the Doctoral Training Centre Programme.~~

~~3-2. Probationer Research Student Status~~

~~a) Students admitted to the doctoral programmes listed in (1) shall hold the status of Probationer Research Student for a maximum of six terms, with the exception of students admitted on the programmes listed in (i) –(iv) below who shall hold the status of Probationer Research Student for a maximum of three terms after successful completion of the first year of their programme:~~

- ~~i) Gas Turbine Aerodynamics: students shall be registered for the first year of this programme at the University of Cambridge,~~
- ~~ii) Science and Application of Plastic Electronic Materials: students shall be registered for the first year of this programme at the Imperial College of Science and Technology,~~
- ~~iii) Diamond Science and Technology: students shall be registered for the first year of this programme at the University of Warwick,~~
- ~~iv) Theory and Modelling in Chemical Sciences shall be registered for the first year of this programme on the MSc in Theoretical and Computational Chemistry.~~

~~b) Students on the programmes listed in a (i) - (iii) must pass the postgraduate taught course that they are registered on for the first year in order to progress onto the second year of the doctoral training programme. Students on the programme listed in a (iv) must meet the conditions specified in the regulations for the MSc in Theoretical and Computational Chemistry in order to progress onto the second year of the doctoral training programme.~~

~~c) Students admitted by The University of Warwick to the Centre for Doctoral Training in Statistical Science, and students admitted by the University of Bristol or the University of Warwick to the Centre for Doctoral Training in Synthetic Biology shall be matriculated and hold the status of Probationer Research Student Status at the University of Oxford for the first three terms of their doctoral training programme.~~

~~The regulations governing Probationer Research Student Status set out in the Regulations of the Education Committee §4 apply to those holding the status of Probationer Research Students in the Doctoral Training Centres. The maximum number of terms that a student on a four-year Doctoral Training Centre Programme may hold the status of Probationer Research Student under §4 cl.9 and §4 cl.10 (i)(a) is six terms, including the term in which the student was admitted.~~

d) A Probationer Research Student on a Doctoral Training Centre Programme doctoral training programme listed in (1) shall normally apply for admission to D.Phil. status after a minimum of five terms normally before the end of the fifth term, and no later than the eight week of the sixth term no longer than six terms; with the exception of students admitted on the programmes listed in (a) (i) – (iv), who shall apply for admission to D.Phil. status normally before the end of the second term, and no later than the end of eight week of the third term, in the year following the first year of their programme.

e) The Education Committee regulations applying to a Probationer Research Student on a Doctoral Training Centre Programme doctoral training programme that govern applications for transfer from Probationer Research Student Status are set out under 13. §4 cl.6; and extensions to the maximum number of terms specified above are set out under 13. §4 cl.7.

f) A Probationer Research Student on a Doctoral Training Centre Programme doctoral training programme shall cease to hold such status in accordance with the Education Committee regulations under 13. §4.10 (i)-(iii).

g) The board may grant a student suspension from the Register of those admitted to the status of Probationer Research Student or deprive a student of his or her status; and in such cases it shall at all times follow procedures determined by the Education Committee by regulation. The board may also reinstate a student to the Register, provided that the total number of terms a Student has spent as a Probationer Research Student has not exceeded eight terms in the case of a Student on the doctoral training programme; with the exception of students admitted on the programmes listed in (a) (i) –(iv), where the limit shall be five terms.

3.4-Confirmation of Status as a Student for the Degree of Doctor of Philosophy A candidate on a Doctoral Training Centre Programme doctoral training programme who has been admitted to the status of Student for the Degree of Doctor of Philosophy must apply to the board for confirmation of his or her status as a D.Phil. Student by before the end of the ninth full-term after admission as a research student; and not normally earlier than the eighth term after that in which he or she was initially admitted to the status of a Probationer Research Student or to the status of a student for another higher degree of the University. Students admitted on the programmes listed in 2 (a) (i) – (iv) must apply to the board for confirmation of his or her status as a D.Phil. Student before the end of the sixth full-term after admission as a Probationer Research Student, and not normally earlier than the fifth term.

A Student for the Degree of Doctor of Philosophy shall cease to hold such status unless it has been confirmed within nine terms of his or her admission to Probationer Research Student that status, with the exception of Students admitted on the programmes listed in 2 (a) (i) – (iv), who shall cease to hold such status unless it has been confirmed within six terms of his or her admission to that status, in accordance with 16. §4 cl.5.

4.5-Other requirements for students for the Degree of Philosophy following a Doctoral Training Centre D.Phil. doctoral training programme A full-time Student for the Degree of Doctor of Philosophy following a Doctoral Training Centre Programme doctoral training programme may hold that status for twelve terms from admission to Probationer Research Student status, or nine terms from admission to Probationer Research Student status for students on the programmes listed in clause 2 (a) (i) – (iv).

If such a student has been prevented by exceptional circumstances from completing his or her thesis, the board shall have power to grant an extension of time for a period or periods, not exceeding six nine terms in all, to be determined by the board. Applications for such extension of time shall be made through the Registrar not later than the term in which the student is due to apply for permission to supplicate. A Student for the Degree of Doctor of Philosophy following a Doctoral Training Centre Programme shall cease to hold that status if:

- (i) ~~he or she shall have been refused permission to supplicate for the Degree of Doctor of Philosophy; or~~
- (ii) ~~the board concerned shall in accordance with the Regulations for the Degree of Doctor of Philosophy; Part A.; §2; cl. 3; and with the provisions set down by regulation by the Education Committee and after consultation with the student's college and supervisor; have deprived the student of that status;~~
- (iii) ~~he or she shall have been transferred under the relevant provision to another status;~~
- (iv) ~~he or she shall have failed to complete his or her thesis within twelve terms or within such further extension of time as may have been granted by the board concerned.~~

~~8. DEGREE OF DOCTOR OF PHILOSOPHY IN THE OXFORD INTERDISCIPLINARY BIOSCIENCE DOCTORAL TRAINING PARTNERSHIP~~

- ~~1. *General regulations* The Oxford Interdisciplinary Bioscience Doctoral Training Partnership shall be under the joint supervision of the Boards of the Mathematical, Physical, and Life Sciences Division, and the Medical Sciences Division, which shall appoint a Management Board to run the programme. In these regulations, the above named doctoral training programme is described as the Doctoral Training Partnership Programme.~~
- ~~2. These regulations shall apply to all research students registered on the Oxford Interdisciplinary Bioscience Doctoral Training Partnership Programme, irrespective of the division or department they are based within for their research project. The provisions of the following regulations shall apply, except as specifically provided below: Regulations for Admission as a Probationer Research Student; Regulations for the Degree of Master of Science by Research, Regulations for the Degree of Doctor of Philosophy (§1-7); General Regulations of the Education Committee governing the examination of students for the degrees of M.Sc. by Research, M.Litt. and D.Phil., and concerning the maintenance of the register of graduate students; and the Special Regulations of Divisional and Faculty Boards concerning the status of Probationer Research Student and the degrees of M.Litt., M.Sc. by Research, and D.Phil. Mathematical, Physical and Life Sciences Division; and Medical Sciences Division, depending on the department and division in which the student carries out their research. For the purposes of these regulations 'Board' shall mean the Mathematical, Physical and Life Sciences Divisional Board, or the Medical Sciences Divisional Board, depending on the department and division in which the student carries out their research.~~
- ~~3. *Register of Probationer Research Students* The board may grant a student suspension from the Register of those admitted to the status of Probationer Research Student or deprive a student of his or her status; and in such cases it shall at all times follow procedures determined by the Education Committee by regulation. The board may also reinstate a student to the Register, provided that the total number of terms a student has spent as a Probationer Research Student has not exceeded seven terms in the case of a student on the Doctoral Training Partnership Programme.~~
- ~~4. *Probationer Research Student Status* The regulations governing Probationer Research Student Status set out in the Regulations of the Education Committee, §4 apply to those holding the status of Probationer Research Students in the Doctoral Training Partnership Programme. The particular clauses in those regulations that apply to students in Doctoral Training Centres shall apply equally to students in the Doctoral Training Partnership Programme. The maximum number of terms that a student on the four-year Doctoral Training Partnership Programme may hold the status of Probationer Research Student~~

~~under §4 cl.9 and §4 cl.10 (i)(a) is six terms, including the term in which the student was admitted. A Probationer Research Student on the Doctoral Training Partnership Programme shall normally apply for admission to D.Phil. status after a minimum of five terms and no longer than six terms. The Education Committee regulations applying to a Probationer Research Student on the Doctoral Training Partnership Programme that govern applications for transfer from Probationer Research Student Status are set out under §4 cl.6; and extensions to the maximum number of terms specified above are set out under §4 cl.7. A Probationer Research Student on the Doctoral Training Partnership Programme shall cease to hold such status in accordance with the Education Committee regulations under §4.10 (i) (iii).~~

~~5. Confirmation of Status as a Student for the Degree of Doctor of Philosophy A candidate on a Doctoral Training Partnership Programme who has been admitted to the status of Student for the Degree of Doctor of Philosophy must apply to the board for confirmation of his or her status as a D.Phil. Student by the end of the ninth full-term after admission as a research student, and not normally earlier than the eighth term after that in which he or she was initially admitted to the status of a Probationer Research Student or to the status of a student for another higher degree of the University. A Student for the Degree of Doctor of Philosophy shall cease to hold such status unless it has been confirmed within nine terms of his or her admission to that status, in accordance with §4 cl.5.~~

~~6. Other requirements for students for the Degree of Doctor of Philosophy following the Doctoral Training Partnership Programme. A full-time Student for the Degree of Doctor of Philosophy following the Doctoral Training Partnership Programme may hold that status for twelve terms. If such a student has been prevented by exceptional circumstances from completing his or her thesis, the board shall have power to grant an extension of time for a period or periods, not exceeding nine terms in all, to be determined by the board. Applications for such extension of time shall be made through the Registrar not later than the term in which the student is due to apply for permission to supplicate. A Student for the Degree of Doctor of Philosophy following the Doctoral Training Partnership Programme shall cease to hold that status if:~~

~~(i) he or she shall have been refused permission to supplicate for the Degree of Doctor of Philosophy; or~~

~~(ii) the board concerned shall in accordance with the Regulations for the Degree of Doctor of Philosophy, Part A., §2, cl. 3, and with the provisions set down by regulation by the Education Committee and after consultation with the student's college and supervisor, have deprived the student of that status;~~

~~(iii) he or she shall have been transferred under the relevant provision to another status;~~

~~(iv) he or she shall have failed to complete his or her thesis within twelve terms or within such further extension of time as may have been granted by the board concerned.~~

9.8. D.Phil IN SOFTWARE ENGINEERING

CHANGE OF TERMINOLOGY TO 'DOCTORAL TRAINING PROGRAMME' for MPLS SPECIAL REGULATIONS

Explanation:

The existing Special regulations for MPLS (18B.§7) refer to 'Doctoral Training Centre Programmes' to describe the programmes sponsored by EPSRC. The BBSRC programme is referred to as a 'Doctoral Training Partnership.' Up till recently, all students following doctoral training programmes in MPLS were based in their first year in the Doctoral Training Centre, which is an organisational unit in MPLS. Initially EPSRC used the term 'Doctoral Training Centre' to describe doctoral training programmes.

The changes to the regulations drop the terminology of 'Doctoral Training Centre Programmes' for two reasons. Firstly, the terminology of 'Doctoral Training Centre' is no longer used by Research Councils. They now refer either to Centres for Doctoral Training or Doctoral Training Partnerships.

Secondly, students in many of the new doctoral training programmes are no longer based in the MPLS organisational unit of the Doctoral Training Centre' in the first year of their course, and are based instead in departments.

The revised special regulations therefore use the collective term of 'doctoral training programmes', and define Centres for Doctoral Training and Doctoral Training Partnerships as types of doctoral training programme.

Note this only applies to the MPLS special regulations. Medical Sciences has a Medical Sciences Doctoral Training Centre, with its own Special Regulations. The changes below do not affect the regulations for the a Medical Sciences Doctoral Training Centre.

Location of change: Examination Regulations 2013, within section 18, the Special Regulations for 'B The Mathematical, Physical and Life Sciences Division'

Effective date: 1 October 2014

page 899 line 5-9;

All research students will be admitted to the status of Probationer Research Student in the first instance. The status of Probationer Research Student may be held for a maximum of four terms (other than students registered on a ~~Doctoral Training Centre Programme~~ the doctoral training programmes listed in section 7).

page 899 lines 41-42

~~Doctoral Training Centre Programmes~~ Doctoral training programmes The regulations applying to research students following ~~Doctoral Training Centre Programmes~~ doctoral training programmes are set out in section 7.

page 900, lines 31-32

~~Doctoral Training Centre Programmes~~ Doctoral training programmes The regulations applying to research students following ~~Doctoral Training Centre Programmes~~ doctoral training programmes are set out in section 7.

REGULATIONS FOR THE MSc IN THEORETICAL AND COMPUTATIONAL CHEMISTRY

Explanation: Students admitted to the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences must take an MSc in Theoretical and Computational Chemistry. The regulations for this course are based on the MSc in Theoretical Chemistry, but are significantly revised. Students may also be admitted to the MSc in in Theoretical and Computational Chemistry as a stand-alone qualification, rather than as part of the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences.

Location of change: Examination Regulations 2013, page 787 line 35 to page 789 line 8

Effective Date: 1 October 2014

MSc in Theoretical and Computational Chemistry

1. An Organising Committee shall be appointed which shall have power to arrange lectures and other instruction.
2. Candidates shall follow for at least three terms a course of instruction in Theoretical and Computational Chemistry, as determined by the course timetable.
3. The following routes shall be available:
 - a. M.Sc. in Theory and Computational Chemistry with progression to Probationer Research Student Status at the University of Oxford for a maximum of a further three terms in the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences;
 - b. M.Sc. in Theory and Computational Chemistry with progression to doctoral study at a partner institution in the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences;
 - c. M.Sc. in Theory and Computational Chemistry with no further progression to doctoral study at Oxford or with partner universities in the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences.
4. The examination shall be in two parts, as follows:
 - a) Candidates shall successfully complete the prescribed coursework and / or tests on each of the taught modules offered, as specified below.
 - b) Candidates shall submit a project report on each of two short projects selected by the candidate in consultation with the supervisor, and approved by the organising committee. One of these projects shall be at Oxford and the other at one of the other partner institutions. The project report shall be assessed by the supervisor and one other academic appointed by the organising committee.
5. The Director of the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences or an appointed deputy shall make available to the examiners a certificate showing the extent to which the candidate has an adequate command of the topics in the modules offered and the assessments of the two short projects.
6. The nature of the assessed work for each module will depend on the nature of the module and will be specified in the course handbook. Completed assignments must be submitted,

- via the Administrator for the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences, by the corresponding deadline specified in the course handbook.
7. Any candidate who has failed four or more modules of any type at the first attempt will not be permitted to progress to the second year of the doctoral programme in the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences.
 8. Assessed work for any failed module may be resubmitted before noon on 1st September for consideration by the board of examiners.
 9. A candidate who has failed to satisfy the examiners may enter again for the examination on one, but not more than one, subsequent occasion, not later than one year after the initial attempt, and need only resubmit the assessed work for failed modules. Such candidates will not be permitted to progress to the second year of the doctoral training programme in the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences.
 10. Candidates may be examined viva voce at the Examiners' discretion.
 11. The examiners may award a distinction for excellence in the whole examination.
 12. The Director of the Centre for Doctoral Training in Theory and Modelling in Chemical Sciences or an appointed deputy shall have power to delete courses and to add other lecture courses to this list, and shall publish full details of any such changes in the *University Gazette* by not later than the Friday of the eighth week of the Trinity Term in the year preceding the examination.
 13. The organising committee shall decide to which of the participating universities the student will transfer for their doctoral project in the second year, based on consultation with students and prospective doctoral supervisors, together if required with the results of the MSc.

List of taught modules

14. The following eight modules shall be designated *core courses* and must be offered by all candidates: Quantum Mechanics, Statistical Mechanics, Mathematics 1, Statistics, Computer Programming and Numerical Methods, Methods of Computer Simulation, Electronic Structure Theory, Software Development Training.
15. The following nine modules shall be designated *option courses* and candidates must offer five of these for assessment: Applied Computational Chemistry, Biomolecular Simulation, Mathematics 2, Quantum Mechanics in Condensed Phases, Intermolecular Potentials, Chemical Informatics, Chemical Reaction Dynamics, Advanced Statistical Mechanics, Advanced Quantum Mechanics.

~~The course shall be under the supervision of the Coulson Professor of Theoretical Chemistry or an appointed deputy, who shall have power to arrange lectures and other instruction.~~

~~2. Candidates shall follow for at least three terms a course of instruction in Theoretical Chemistry.~~

~~3. The examination shall be in three parts, as follows:~~

~~(a) Candidates shall successfully complete a written assignment on each of the lecture courses listed below.~~

~~(b) Candidates shall submit a short dissertation on a topic selected by the candidate in consultation with the supervisor and approved by the Coulson Professor of Theoretical Chemistry or an appointed deputy. Between thirty-five and sixty-five typed pages is the preferred length.~~

~~(c) There shall be an oral examination on the dissertation and its background material.~~

~~4. The Coulson Professor of Theoretical Chemistry or an appointed deputy shall make available to the examiners a certificate showing the extent to which the candidate has an adequate command~~

of (a) mathematics and (b) computational chemistry. Candidates must submit for approval to the Coulson Professor of Theoretical Chemistry or an appointed deputy by the end of Hilary Term in the year in which they enter the examination the title and brief statement of the form and scope of their dissertation, together with the name of a person who has agreed to act as their supervisor during the preparation of the dissertation. Approval shall normally be given not later than two weeks after submission of a proposal.

5. Two typewritten copies of the dissertation must be delivered, not later than noon on 15 September in the year in which the examination is taken, to the M.Sc. Examiners (Theoretical Chemistry), c/o Examination Schools, High Street, Oxford. The dissertation must be accompanied by a statement that it is the candidate's own work except where otherwise indicated, and a certificate from the candidate's society to the effect that he or she has followed for three terms a course of instruction in Theoretical Chemistry. The examiners may retain one copy of the dissertation of each candidate who passes the examination for deposit in an appropriate departmental library.

6. For each lecture course, an essay topic or problem set shall be prescribed by the relevant lecturer no later than the Monday of the eighth week of the term during which the lectures are given. Completed assignments must be delivered to the M.Sc. Examiners (Theoretical Chemistry), c/o the Examination Schools, High Street, Oxford, not later than noon on the days specified in the following schedule.

Quantum Mechanics	Friday second week of Hilary Term
Statistical Mechanics	Friday second week of Hilary Term
Molecular Electronic Structure	Friday second week of Trinity Term
Applied Statistical Mechanics	Friday second week of Trinity Term
Many body quantum and statistical mechanics	Friday ninth week of Trinity Term

7. A candidate who does not submit a written assignment on a lecture course by the stated time according to the examination schedule in cl. 6 above shall be deemed to have failed the lecture course in question.

8. A list of those candidates who have satisfied the examiners in particular lecture courses in the relevant term shall be posted in the Physical and Theoretical Chemistry Laboratory, by the Friday preceding the following Full Term.

9. If a candidate is deemed to have failed a particular lecture course, he or she shall not be permitted to re-enter for examination in that lecture course.

Any candidate who has not satisfied the examiners in four lecture courses by the beginning of fifth week of Trinity Term shall be deemed to have failed the degree course.

10. A candidate who has failed to satisfy the examiners in the examination may enter again for the examination on one, but not more than one, subsequent occasion, not later than one year after the initial attempt. No written assignment shall be submitted to the examiners on more than one occasion.

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

List of lecture courses

Quantum Mechanics

Statistical Mechanics

~~Molecular Electronic Structure~~

~~Applied Statistical Mechanics~~

~~Many-body quantum and statistical mechanics.~~

~~Instruction will also be provided in mathematics and computational chemistry.~~

~~The Coulson Professor of Theoretical Chemistry or an appointed deputy shall have power to delete courses and to add other lecture courses to this list, and shall publish details of the full list including such additional courses in the University Gazette by not later than the Friday of the eighth week of the Trinity Term in the year preceding the examination.~~

1314-16-HPT

Mathematical, Physical & Life Sciences Division

Approved at the meeting of N/A

Master of Science in Applied Statistics

Change to dissertation submission date.

For students starting from MT 2014, for first examination from 2014-15.

In *Examination Regulations* 2013

1. On page 693, line 18

delete

'than noon on 15 September in the year in which the written examination is taken, to'.

replace by

'than noon on the second Monday in September in the year in which the written examination is taken, to'

Explanatory Notes

The Dissertation submission date is being changed to a Monday, in accordance with University guidance.

Mathematical, Physical and Life Sciences Division

Approved at the Academic Audit Committee meeting of 18 February 2014

MSc in Mathematical & Computational Finance

Restructuring of the MSc to extend the syllabus with material not previously available, to allow students to choose between two optional streams of courses, and to make some changes to the methods of assessment.

With effect from 1 October 2014

In *Examination Regulations 2013*, make the following changes to p.742, line 18 – p.743, line 30.

Mathematical and Computational Finance

1. 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 course organiser who will be responsible for ensuring that the programme is set up and the decisions of the committee are carried out.
2. The course organiser shall arrange for the appointment of a supervisor for each candidate.
3. Each candidate shall follow a course of study in Mathematical and Computational Finance for at least three terms and for a substantial part of the intervening vacations.
4. The examination will consist of the following parts:

(i) ~~Two~~Four written examinations, and one take-home project, which each of two hours duration. ~~The written examinations~~ will cover the Michaelmas Term core courses in mathematical methods and numerical analysis, based on the schedule below. ~~Two of the examinations will be based on Michaelmas Term courses and will be held before the start of Hilary Full Term, the date and time to be specified by the Examiners. Two of the examinations will be based on Hilary Term courses and will be held before the start of Trinity Full Term, the date and time to be specified by the Examiners.~~ The written examinations will be organised within the department.

~~(ii) Candidates will be assessed on either the 'Modelling' Stream (covering Hilary Term modelling courses) or the 'Data Driven' Stream (covering Hilary Term data driven courses). The 'Modelling' Stream will be assessed by a written examination. The 'Data Driven' Stream will be assessed by a written examination and a computer based practical examination. Further details will be specified in the Course Handbook on the Course Website. Examinations will be organised within the Department. Two options chosen from a list that will be published by the start of Michaelmas Full Term each year in the Course Handbook. Unless otherwise stated each option will be assessed by a written mini-project. Completed mini-projects shall be submitted electronically. Submission shall be in accordance with both the details given on the Course Website and with the deadlines which the examiners shall determine and notify candidates of. In exceptional cases where a candidate is unable to submit work electronically, he or she must apply to the Standing Committee for permission to submit the work in paper form to the Examiners, c/o the Academic Administrator for Mathematical Finance, Mathematical Institute. Such applications must reach the Mathematical Institute not less than two weeks before the deadline for submitting the work.~~

~~(iii) Candidates will be assessed on a 'Tools' Stream (covering Hilary Term courses on tools). The 'Tools' Stream will be assessed by a written examination. Further details will be specified in the Course Handbook on the Course Website. The examination will be organised within the Department.~~

~~(iv) One course in Quantitative Risk Management which will be assessed by a take-home project.~~

~~(v) Two courses in Financial Computing with C++ which will be assessed by two practical examinations arranged within the Department. One practical examination will normally be held in, or shortly after, Hilary Term; one practical examination will normally be held in, or shortly after, Trinity Term. The details will be specified in the Course Handbook on the Course Website by the Examiners.~~

(vi) A dissertation of between twenty-five and forty pages on a topic approved by the examiners.

~~Candidates must submit a proposal for a dissertation, with the support of their supervisor, to the Chair of Examiners, M.Sc. in Mathematical and Computational Finance, c/o the Course Administrator, M.Sc. in Mathematical and Computational Finance, Mathematical Institute, 24-29 St Giles', Oxford, by a date to be specified by the Examiners.~~

More detail on these requirements will be set out each year in the Course Handbook on the Course Website.

5. Take-home projects shall be submitted electronically. Submission shall be in accordance with both the details given in the Course Handbook on the Course Website and with the deadlines which the examiners shall determine and notify candidates of. In exceptional cases where a candidate is unable to submit work electronically, he or she must apply to the Standing Committee for permission to submit the work in paper form to the Examiners, c/o the Academic Administrator for

Mathematical Finance, Mathematical Institute. Such applications must reach the Mathematical Institute not less than two weeks before the deadline for submitting the work.

6. Three copies of the dissertation must be delivered not later than noon on a date to be specified by the examiners which will normally be in late June, to the Examiners, M.Sc. in Mathematical and Computational Finance, c/o Examination Schools, High Street, Oxford OX1 4BG. ~~A~~The examiners may also direct that a copy of the dissertation in pdf or other machine-readable format shall also be made available, in accordance with instructions which the examiners shall determine and notify candidates of. Candidates will also be required to give an oral presentation based on their dissertation.
7. The examiners may award a distinction for excellence in the whole course.
8. A candidate who fails the examination will be permitted to retake it on one further occasion only, 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.

Schedule

Mathematical methods including stochastic analysis, partial differential equations, probability and statistics. Mathematical models of financial markets; associated topics in financial economics. The numerical solution of ordinary, partial and stochastic differential equations. Monte Carlo methods. Numerical methods for optimisation. Programming in appropriate languages, and use of relevant packages.

Explanatory Notes

- i. The syllabus is to be extended with material that was previously not available to the students to adapt to recent changes in the financial industry. In particular, the Supervisory Committee wish to add material that is relevant for hedge funds, pension funds, insurance companies and other big investors ("buy side"), such as statistics, financial time series analysis, market microstructure, optimisation, and calibration.
- ii. A more structural change is made to allow students to choose between two optional streams of courses rather than the current model which has only a little optionality with choice between some individual lecture courses. Compared to the current selection of optional courses, the new streams cover a wider area of financial theory and applications. Moreover, unlike current practice, the new streams are fully supported with practical sessions and classes.
- iii. The essay-based components of assessment, which currently only require the students to focus on a small aspect of each optional course, will be replaced with a take home project that covers the whole of the lecture material.

1314-09-HUG

Mathematical, Physical and Life Sciences Division

Approved at the meeting of Biological Sciences Exam Sub-Committee of 14 January 2014

Title of Programme

Final Honour School of Biological Sciences

Brief note about nature of change: The submission deadline for the project report in Part II of the Final Honour School is being changed to a Monday.

Effective date

For students starting FHS from MT 2013 (Part II TT 2014).

For first examination from 2014-15.

Location of change

In *Examination Regulations* 2013

Detail of change

p.161 line 49

delete

“on or before 12 noon on the Thursday of Week 2”

replace by

“on or before 12 noon on the Monday of Week 2”

Explanatory Notes

The submission deadline for the project report in Part II of the Final Honour School of Biological Sciences is being changed from Thursday to Monday, in accordance with recent University guidance.

Mathematical, Physical & Life Sciences Division

Approved at the meeting of N/A

Title of Programme

Final Honour School of Chemistry

Brief note about nature of change: to delete an obsolete clause, to clarify wording about retakes, to clarify the basis on which the examiners may give credit for performance in the supplementary subjects, and to remove the specified time length for the Option paper, for consistency with the removal of the time lengths of the other papers.

Effective date

1 October 2014

Location of change

In *Examination Regulations 2013*

[Detail of change]

1. Page 168 – Delete lines 3 – 5

2. Page 169, line 16-18

Delete

“the candidate must re-enter both the Part IB written examinations and repeat failed practicals.”

And replace with

“the candidate shall be permitted both to re-enter the Part IB written examinations and to repeat failed practicals.”

3. Page 170, line 31

Delete

“distinction”

And replace with

“performance”

4. Page 170, line 39

Delete “three-hour”

Explanatory Notes

Change 1. deletes an obsolete clause specifying the cohorts of students to whom the Regulations are applicable. Change 2. clarifies wording about retakes in Part I. Change 3. clarifies that examiners may give credit for good performance in the supplementary subjects which is not just confined to those achieving a distinction. Change 4. removes the specified time length for the Option paper for consistency, as the time lengths of the other papers have already been deleted from the Regulations.

1314-04-HUG

Mathematical, Physical & Life Sciences Division

Approved at the meeting of the Engineering Science Undergraduate Studies Committee on 30/1/14

Honour School of Engineering Science

Amendment of hand-in dates for the Group Design Project (Paper B3) and the Part C project.

With effect from 1 October 2014

In *Examination Regulations* 2013

Page 215, line 22

replace “Friday of the fourth week of Trinity Term” by “Wednesday of the fourth week of Trinity Term”

Page 215, line 42-3

replace “Friday of the fourth week of Trinity Term” by “Wednesday of the fourth week of Trinity Term”

Explanatory Notes

The Engineering Science Undergraduate Studies Committee wishes to bring forward the hand-in deadline for these projects by two days so that they do not fall on a Friday.

Mathematical, Physical & Life Sciences Division**Approved at meeting of:** N/A**Honour School of Engineering Science**

These changes update the Regulations to reflect the fact that results lists are now published rather than class lists, and that some details about the course are now published on the Course Weblearn site rather than in the Course Handbook.

With immediate effect

In *Examination Regulations* 2013**1) Page 212, line 25**

Delete "class list"

Replace by "results list"

2) Page 214 line 23

Delete "class list"

Replace by "results list"

3) Page 217, line 24

Delete "class list"

Replace by "results list"

4) Page 214, line 32-34**delete**

"The Syllabus for each of Parts A, B and C will be published by the Faculty of Engineering Science in the Course Handbook, together with the relative weighting of each paper and the duration of all written papers."

and replace by

“The Syllabus for Part A will be published by the Faculty of Engineering Science in the Course Handbook, together with the relative weighting of each paper and the duration of all written papers. For Parts B and C these details will be published annually on the Course Weblearn site at the start of Michaelmas Term.”

5) Page 218, lines 24-26

delete

“The Syllabus for each of Parts A, B and C will be published by the Faculty of Engineering Science in the Course Handbook, together with the relative weighting of each paper and the duration of all written papers.”

and replace by

“The Syllabus for Part A will be published by the Faculty of Engineering Science in the Course Handbook, together with the relative weighting of each paper and the duration of all written papers. For Parts B and C these details will be published annually on the Course Weblearn site at the start of Michaelmas Term.”

Mathematical, Physical and Life Sciences Division

Approved at the meeting of N/A

Title of Programme

Honour School of Mathematics & Philosophy

Brief note about nature of change: To permit students to apply to the Chair of the Joint Committee for Mathematics & Philosophy, to take alternative mathematics options to those on the lists which are published annually.

Effective date

Part A: For students starting FHS from MT 2014 (Part A MT 2014)

Part B: For students starting FHS from MT 2013 (Part B MT 2014)

Part C: For students starting FHS from MT 2012 (Part C MT 2014)

In each case, for first examination from 2014-15

Location of change

In *Examination Regulations* 2013, page 346 line 34 to page 347

Detail of change

1. Page 346, line 36

After

“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.”

Insert

“A candidate may, with the support of his or her Mathematics tutor, apply to the

Chairman of the Joint Committee for Mathematics and Philosophy for approval of one or more other options from the list of Mathematics Department units for Part A which can be found in the Supplement to the Mathematics Course Handbook for courses in Mathematics Part A. Applications for special approval must be made through the candidate's college and sent to the Chairman of the Joint Committee for Mathematics and Philosophy, c/o Academic Administrator, Mathematical Institute, to arrive by Friday of Week 2 of Hilary Term in the academic year of the examination for Part A.”

2. Page 346, line 42

After

“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).”

Insert

“A candidate may, with the support of his or her Mathematics tutor, apply to the Chairman of the Joint Committee for Mathematics and Philosophy for approval of one or more other options from the list of Mathematics Department units for Part B which can be found in the Supplement to the Mathematics Course Handbook for courses in Mathematics Part B. Applications for special approval must be made through the candidate's college and sent to the Chairman of the Joint Committee for Mathematics and Philosophy, c/o Academic Administrator, Mathematical Institute, to arrive by Friday of Week 5 of Michaelmas Term in the academic year of the examination for Part B.”

3. Page 347, line 18

After

“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. 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.”

Insert

“A candidate may, with the support of his or her Mathematics tutor, apply to the Chairman of the Joint Committee for Mathematics and Philosophy for approval of one or more other options from the list of Mathematics Department units for Part C

which can be found in the Supplement to the Mathematics Course Handbook for courses in Mathematics Part C. Applications for special approval must be made through the candidate's college and sent to the Chairman of the Joint Committee for Mathematics and Philosophy, c/o Academic Administrator, Mathematical Institute, to arrive by Friday of Week 5 of Michaelmas Term in the academic year of the examination for Part C.”

Mathematical, Physical and Life Sciences Division**Approved at the meeting of N/A****Title of Programme**

Honour School of Mathematics & Philosophy

Brief note about nature of change: To re-order the regulations for greater clarity, to re-word a clause for greater clarity, and to update a reference for consistency with the regulations in the Final Honour School of Mathematics.

Effective date**With immediate effect****Location of change**In *Examination Regulations* 2013**Detail of change**

1. Page 349, lines 10-11

Delete clauses 5 and 6:

“5. For the award of the highest honours it is not necessary to perform with excellence in each of *Mathematics* and *Philosophy* separately.

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.”

2. Page 348, line 14

After

“...Part C of the Final Honour School of Mathematics and Philosophy.”

Insert new clauses 4 and 5:

“4. 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.

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.”

3. Page 349, line 29

after

“The list of units”

Insert

“and double units”

Explanatory Notes

These changes:

- (i) Move the clause about the award of highest honours to a more appropriate location within the regulations, and re-word it for clarity.
- (ii) Move the clause about use of calculators to a more appropriate location within the regulations.
- (iii) Specify that the list of units available in Mathematics Part B and Part C includes double units as well as units (for consistency with the regulations in Mathematics).

Mathematical, Physical and Life Sciences Division

Approved at meeting of N/A

Honour School of Mathematics and Statistics

Clarification to the wording regarding retaking of Part B Mathematics and Statistics

With immediate effect

In *Examination Regulations* 2013

Page 353, lines 32-38. Replace:

"c) A candidate on the three-year course who obtains only a Pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; 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. A candidate on the four-year course shall take Part B on one occasion only."

With

"c) A candidate who obtains only a pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; a candidate who fails to satisfy the Examiners in Part C may retake Part C on at most one subsequent occasion. Part B shall be taken on one occasion only by candidates continuing to Part C."

Explanatory Notes

Change to the wording of the regulation governing retaking Part B and Part C to make it clear that any candidate obtaining a pass or failing to satisfy the examiners at Part B may retake on one subsequent occasion. The previous wording implied that in order to retake Part B a candidate needed to be registered for the three-year course.

Mathematical, Physical and Life Sciences Division

Approved at the meeting of N/A

Title of Programme

Honour School of Mathematics & Statistics

Brief note about nature of change: Minor change to reflect re-numbering of Statistics courses.

Effective date

For students starting FHS from MT 2013 (Part B MT 2014)

For first examination from 2014-15

Location of change

In *Examination Regulations* 2013

Detail of change

1. On page 354, delete lines 21-24:

- (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':

2. On page 354, insert lines 21-24:

- (a) Each candidate shall offer the double unit SB1.
- (b) Each candidate shall offer a total of at least two units from SB2 and SB3.
- (c) Each candidate may offer a total of at most two units from SB4 and the schedule of 'Other units':

Mathematical, Physical and Life Sciences Division

Approved at the Mathematics Teaching Committee meeting of 5th March 2014

Honour School of Mathematics

Clarification to the wording regarding retaking of Part B Mathematics

With immediate effect

In *Examination Regulations* 2013

Page 337, line 35 to page 338 line 4. Replace:

"c) A candidate on the three-year course who obtains only a Pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; 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. A candidate on the four-year course shall take Part B on one occasion only."

With

"c) A candidate who obtains only a pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; a candidate who fails to satisfy the Examiners in Part C may retake Part C on at most one subsequent occasion. Part B shall be taken on one occasion only by candidates continuing to Part C."

Explanatory Notes

Change to the wording of the regulation governing retaking Part B and Part C to make it clear that any candidate obtaining a pass or failing to satisfy the examiners at Part B may retake on one subsequent occasion. The previous wording implied that in order to retake Part B a candidate needed to be registered for the three-year course.

Board of Mathematical, Physical and Life Sciences Division**Approved at the meeting of MPLS Academic Audit Committee, 18 February 2014****Title of Programme**

Doctoral training programmes (MPLS)

Brief note about nature of change: Addition of two new doctoral training programmes to the list of doctoral training programmes under the supervision of MPLS.**Effective date**

1 October 2014

Location of change

A second set of changes to the changes already published to 18. B. 7, currently located in Examination Regulations 2013 p.907 line 16 – p. 908 line 50

Detail of change

See below for location of each change.

Explanatory Notes

Significant changes to the regulations for MPLS doctoral training programmes were published on 20 March 2014 (<http://www.ox.ac.uk/gazette/2013-2014/20march2014-no5055/examinationsandboards/#148780>). These changes were made to accommodate a significant number of new programmes that had been secured with funding from the research councils for Centres for Doctoral Training (CDTs) and Doctoral Training Partnerships (DTPs).

Following the publication of those regulation changes, the University secured funding for two additional Centres for Doctoral Training

- i) Biomedical Imaging
- ii) Renewable Energy Marine Structures (with Cranfield University).

The changes below add in these two new CDTs, and make minor corrections to earlier errors.

7. DOCTORAL TRAINING PROGRAMMES

1. Programmes covered by these regulations

These regulations shall apply to all research students registered on the following programmes, irrespective of the division or department they are based within for their research project:

- (i) Centres for Doctoral Training in: Autonomous Intelligent Machines and Systems; Biomedical Imaging, Cyber security; Diamond Science and Technology; Gas Turbine Aerodynamics; Healthcare Innovation; Industrially Focused Mathematical Modelling; New and Sustainable Photovoltaics; Oil and Gas; Partial Differential Equations: Analysis and Applications; Renewable Energy Marine Structures; Science and Application of Plastic Electronic Materials; Science and Technology of Fusion Energy; Statistical Science; Systems Approaches to Biomedical Science; Synthesis for Biology and Medicine; Synthetic Biology; and Theory and Modelling in Chemical Sciences;
- (ii) Doctoral Training Centres in: Life Sciences Interface; and Systems Biology;
- (iii) Doctoral Training Partnership in Environmental Research;
- (iv) Doctoral Training Partnership in Interdisciplinary Bioscience.

The programmes listed in (i) and (ii) shall be under the supervision of the Board of the Mathematical, Physical, and Life Sciences Division.

The programmes listed in (iii) shall be under the joint supervision of the Boards of the Mathematical, Physical, and Life Sciences Division, and the Social Sciences Division. They shall appoint a Management Board to run the programme.

The programme listed in (iv) shall be under the joint supervision of the Boards of the Mathematical, Physical, and Life Sciences Division, and the Medical Sciences Division. They shall appoint a Management Board to run the programme.

2. Probationer Research Student Status

(a) Students admitted to the doctoral programmes listed in (1) shall hold the status of Probationer Research Student for a maximum of six terms, with the exception of students admitted on the programmes listed in (i) –(iv) below who shall hold the status of Probationer Research Student for a maximum of three terms after successful completion of the first year of their programme:

- (i) Gas Turbine Aerodynamics: students shall be registered for the first year of this programme at the University of Cambridge,
- (ii) Science and Application of Plastic Electronic Materials: students shall be registered for the first year of this programme at the Imperial College of Science and Technology,
- (iii) Diamond Science and Technology: students shall be registered for the first year of this programme at the University of Warwick,
- (iv) Theory and Modelling in Chemical Sciences shall be registered for the first year of this programme on the MSc in Theoretical and Computational Chemistry.

(b) Students on the programmes listed in a (i) - (iii) must pass the postgraduate taught course that they are registered on for the first year in order to progress onto the second year of the doctoral training programme. Students on the programme listed in a (iv) must meet the conditions specified in the regulations for the MSc in Theoretical and Computational Chemistry in order to progress onto the second year of the doctoral training programme.

(c) Students admitted by The University of Warwick to the Centre for Doctoral Training in Statistical Science, and students admitted by the University of Bristol or the University of Warwick to the Centre for Doctoral Training in Synthetic Biology, and students admitted by the University of Nottingham to the Centre for Doctoral Training in Biomedical Imaging shall be matriculated and hold the status of Probationer Research Student Status at the University of Oxford for the first three terms of their doctoral training programme.

(d) A Probationer Research Student on a doctoral training programme listed in (1) shall apply for admission to D.Phil. status normally before the end of the fifth term, and no later than the eighth week of the sixth term; with the exception of students admitted on the programmes listed in (a) (i) –(iv), who shall apply for admission to D.Phil. status normally before the end of the second term, and no later than the end of eighth week of the third term, in the year following the first year of their programme.

(e) The Education Committee regulations applying to a Probationer Research Student on a doctoral training programme that govern applications for transfer from Probationer Research Student Status are set out under 13. §4 cl.6; and extensions to the maximum number of terms specified above are set out under 13. §4 cl.7.

f) A Probationer Research Student on a doctoral training programme shall cease to hold such status in accordance with 13. §4.10 (i)-(iii).

g) The board may grant a student suspension from the Register of those admitted to the status of Probationer Research Student or deprive a student of his or her status; and in such cases it shall at all times follow procedures determined by the Education Committee by regulation. The board may also reinstate a student to the Register, provided that the total number of terms a Student has spent as a Probationer Research Student has not exceeded eight terms in the case of a Student on the doctoral training programme; with the exception of students admitted on the programmes listed in (a) (i) –(iv), where the limit shall be five terms.

3. Confirmation of Status as a Student for the Degree of Doctor of Philosophy A candidate on a doctoral training programme who has been admitted to the status of Student for the Degree of Doctor of Philosophy must apply to the board for confirmation of his or her status as a D.Phil. Student before the end of the ninth full-term after admission as a research student; and not normally earlier than the eighth term after that in which he or she was initially admitted to the status of a Probationer Research Student or to the status of a student for another higher degree of the University. Students admitted on the programmes listed in 2 (a) (i) – (iv) must apply to the board for confirmation of his or her status as a D.Phil. Student before the end of the sixth full-term after admission as a Probationer Research Student, and not normally earlier than the fifth term.

A Student for the Degree of Doctor of Philosophy shall cease to hold such status unless it has been confirmed within nine terms of his or her admission to Probationer Research Student status, with the exception of Students admitted on the programmes listed in 2 (a) (i) – (iv), who shall cease to hold such status unless it has been confirmed within six terms of his or her admission to that status, in accordance with 16. §4 cl.5.

4. Other requirements for students for the Degree of Philosophy following a doctoral training programme A full-time Student for the Degree of Doctor of Philosophy following a doctoral training programme may hold that status for twelve terms from admission to Probationer Research Student status, or nine terms from admission to Probationer Research Student status for students on the programmes listed in clause 2 (a) (i) – (iv).

Mathematical Physical and Life Sciences Board

All Honour Schools in the Mathematical Physical and Life Sciences Division

Regulations for Final Honour Schools in MPLS have been revised for editorial consistency and to enable publishing in a new web format. No matters of substance have been altered.

With effect from 1 October 2014

Explanatory Notes

For further details of the changes contact Catherine Goodwin (MPLS Divisional Office)

Mathematical, Physical and Life Sciences Division**Approved at the meeting of N/A****Title of Programme**

Honour School of Biological Sciences

Brief note about nature of change: The regulations are being updated to accurately reflect long-standing practice, to allow for publication of supplementary subjects in the Course Handbook, to improve consistency and clarity, and are being restructured to enable publishing in a new web format.

Effective date**With immediate effect****Location of change**In *Examination Regulations* 2013, amended by Gazette of 27 March 2014.**Detail of change**

1) p.159-163

Replace the existing regulations with the regulations overleaf.

Explanatory Notes

The changes:

- clarify and make consistent information provided about the assessment of practical laboratory work and Quantitative Methods classes;
- update the regulations about examination of material in the Part II written examinations to reflect long-standing practice;
- allow for publication of Supplementary Subjects in the Final Honour School Handbook rather than the Gazette, in line with other Final Honour Schools in MPLS which offer Supplementary Subjects;
- restructure the regulations to enable them to be published in a new web format;
- make some other minor changes for consistency and clarity.

SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF BIOLOGICAL SCIENCES

A

1. The subject of the Honour School of Biological Sciences shall be the study of Biological Sciences.
2. No candidate shall be admitted to 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. The examination in Biological Sciences shall consist of Part I (taken at a time not less than two terms after passing the First Public Examination) and Part II (taken at a time not less than five terms after passing the First Public Examination).
5. The name of a candidate shall not be published in a Results List until he or she has completed all parts of the examination. The examiners shall give due consideration to the performance in all parts of the respective examinations.
6. Candidates will be expected to show knowledge based on practical work. This requirement shall normally be satisfied by the examiners' assessment of the practical laboratory work and Quantitative Methods classes work done by candidates in Part I based on attendance records and/or marks awarded.
7. Exceptionally, the examiners may require a candidate to submit all their practical notebooks.
8. Candidates whose overall practical performance is not deemed satisfactory by the examiners may have their degree class reduced. If the work is judged by the examiners to be insufficient to warrant the award of Honours they may either be deemed to have failed the examination, or may, at the discretion of the examiners, be awarded a Pass.

B

1. The subjects of the examination shall be those prescribed in the Regulations for Parts I and II.
2. The examiners will permit the use of any hand-held calculator subject to the conditions set out under the heading 'Use of calculators in examinations' in the Regulations for the Conduct of University Examinations.
3. *Supplementary Subjects*
 - (a) In addition, candidates may offer themselves for examination in one or more Supplementary Subjects.
 - (b) Candidates for Supplementary Subjects may offer themselves for examination in the academic year preceding that in which they take the Part II written examinations of the Final Honour School.

(c) Candidates awarded a pass in a Supplementary Subject examination may not retake the same Supplementary Subject examination.

(d) The Supplementary Subjects available in any year will be published, together with the term in which each subject will be examined, in the Final Honour School Handbook (Section 1) at the start of Michaelmas Term of the academic year in which the Supplementary Subjects may be taken.

PART I

1. The examination for Part I shall normally be taken at the start of Trinity Term of the candidate's second year.

2. Further details of the requirements for Part I shall be set out in the Final Honour School Handbook (Section 1), which is published annually at the start of Michaelmas Term of the candidate's second year.

4. *Written papers*

Assessment in Part I will consist of three written papers as follows. Knowledge of first year coursework will be assumed.

Paper 1: Evolution

Paper 2: Quantitative Methods

Paper 3: Essay Paper

In Paper 3, candidates will be required to answer four questions, with no more than one from each of the following themes: (i) Animal Behaviour; (ii) Adaptations to the Environment; (iii) Cell and Developmental Biology; (iv) Disease; (v) Ecology; (vi) Plants and People.

The written papers for Part I may be taken only once.

5. *Practical Coursework*

All candidates shall be assessed as to their practical ability through their performance in three practical blocks and in Quantitative Methods classes. The following provisions apply:

(a) The Chair of the Steering Committee, or a deputy, shall make available to the examiners, at the end of the first week of the term in which the written examinations in Part II are held, records showing the extent to which each candidate has completed the prescribed coursework to a satisfactory standard.

(b) The examiners may require a candidate to submit all their practical notebooks. Such candidates will be named in a list posted by the day of the first written paper in Part II of the examination. Each notebook submitted shall be accompanied by a certificate signed by the candidate indicating that the notebook is the candidate's own work.

(c) In assessing the record of coursework undertaken, the examiners shall have regard to the attendance record of the candidates at the classes provided, and to the marks awarded for the classes provided.

6. The examiners will issue a list of candidates deemed to have completed Part I of the examination, in the form of the completion of the three written papers, and satisfactory performance in the three practical blocks and Quantitative Methods classes.

7. Under exceptional circumstances, candidates who have not been able to complete sufficient practicals may be allowed to fulfill the practical requirement in their third year.

PART II

1. The examination for Part II shall normally be taken during Trinity Term of the candidate's third year.

2. In Part II, a candidate who obtains only a pass, or fails to satisfy the examiners, may enter again for Part II of the examination on one, but no more than one, subsequent occasion.

3. Further details of the requirements for Part II shall be set out in the Guidelines on Projects and Course Assignments and in the Final Honour School Handbook (Section 2). The Guidelines on Projects and Course Assignments are published annually at the start of Michaelmas Term of the candidate's second year. The Final Honour School Handbook (Section 2) is published annually at the end of Hilary Term of the candidate's second year.

4. In Part II, Candidates will select from a number of Options, and complete a Research Project and two Course Assignments. The Options may be varied from time to time by the Biological Science Steering Committee, and such variations shall be notified by publication in the Final Honour School Handbook (Section 2) by the end of Week 8 of Hilary Term of the academic year preceding the first examination of the changed options. Each candidate will be expected to have studied at least six Options in order to address the requirements of Paper 6, and to have prepared sufficient of those Options in depth to be able to address the requirements of Papers 5 and 7.

5. Assessment in Part II will consist of four written papers, each of three hours' duration, submission of a research project dissertation, and two course assignments, one of which will be examined as an oral presentation.

6. *Written papers*

Four written papers, each of three hours, will be set during Trinity Term of the third year. The papers will be as follows:

Paper 4: General Paper

Paper 5: Long Essay Paper

Paper 6: Short Essay Paper

Paper 7: Data Interpretation Paper

In the General Paper, candidates will be required to answer two questions and will be expected to bring together knowledge of different areas of Biology covered in the Course. In the Long Essay Paper, candidates will be required to answer three questions, with no more than one from any specific Option. In the Short Essay Paper, candidates will be required to answer six questions, with no more than one from any specific Option. In the Data Interpretation Paper, candidates will be required to answer four questions.

7. Project dissertation

(i) Form and subject of the project

The project shall consist in original experiments, fieldwork or computer-based research project in any area of biology done by the candidate alone or in collaboration with others (where such collaboration is, for instance, needed to produce results in the time available). When choosing a research project, candidates must bear in mind the prohibition on duplicating material in different parts of the examination.

(ii) Registration

Candidates must register the provisional title of their project and the name of their supervisor to the Examinations Co-ordinator no later than noon on Friday of Week 8 of Hilary Term of their second year. Candidates must submit their completed safety registration form to the appropriate Departmental Safety Officer by the same deadline.

(iii) Residence

Candidates undertaking project work outside of Oxford will be permitted by the Chair of the Teaching Steering Committee, subject to the written approval also of the Senior Tutor of the candidate's college, to spend a maximum of two weeks outside of Oxford during Trinity Term of their second year working at a supervised field site or another university / institution in the UK or overseas, in accordance with clause 2.8 of the First and Second Public Examination regulations pertaining to residence. Candidates will still be liable for their College battels, if applicable, during this time.

(iv) Examination

Candidates shall submit to the examiners a dissertation based on their project according to guidelines that will be published in the Guidelines on Projects and Course Assignments in the academic year preceding the examination. The project dissertation shall be of not more than 7,000 words, excluding any tables, figures, or references, and must be prefaced by an Abstract of not more than 250 words, to be included within the word limit.

(v) Submission and assessment of project-based written work

The project report (two copies) must be legibly typed or word-processed (double line spacing to be used throughout) on one side only of A4 paper, held firmly in a stiff cover, and submitted on or before 12 noon on the Monday of Week 2 of Hilary Full Term of the academic year in which Part II of

the examination is taken. It must be addressed to the Examination Schools, High Street, Oxford, for the Chair of Examiners for the Final Honour School of Biological Sciences. Each project report shall be accompanied by a certificate signed by the candidate indicating that the project report is the candidate's own work. This certificate shall be submitted separately in a sealed envelope addressed to the Chair of Examiners. No 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 of any other institution.

In all cases, the examiners shall obtain and consider a written report from each supervisor indicating the extent of the input made by the candidate to the outcome of the project and also any unforeseen difficulties associated with the project (e.g. unexpected technical issues or problems in the availability of materials, equipment, or literature or other published data). Material in a candidate's dissertation must not duplicate material that has been included in the submitted course assignments.

8. *Course assignments*

(i) Form and subject of the Course assignments

Each candidate must complete two course assignments. One assignment shall be examined by means of a written essay, and one shall be examined by means of an oral presentation as set out below. The precise format of the course assignment may vary between Options and will be specified by the Biological Sciences Steering Committee.

The written essay shall be of not more than 3,000 words, excluding any tables, figures, or references, and must be prefaced by an Abstract of not more than 250 words, to be included within the word limit. All sources used in the essay must be fully documented. The written essay (two copies) must be legibly typed or word-processed on one side only of A4 paper, held firmly in a stiff cover. The oral presentation shall be a maximum of fifteen minutes in duration, followed by ten minutes of questions. The oral presentation should use appropriate audio-visual aids as specified in the Guidelines on Projects and Course Assignments. Candidates shall also submit an Abstract of the oral presentation of not more than 500 words. The Abstract (two copies) must be legibly typed or word-processed on one side only of A4 paper.

Candidates may discuss the proposed topic for both the written essay and the oral presentation, the sources available, and the method of presentation with an adviser. The adviser for the written essay must also read and comment on a first draft. Candidates shall not deal with substantially the same material in their course assignments as is covered in their project report.

(ii) Registration

Each assignment will be on a topic proposed by the student and approved by the Chair of the Biological Sciences Steering Committee. The approval of assignments shall be given not later than Friday of the seventh week of the Michaelmas Full Term of the academic year in which the examination is taken.

(iii) Authorship

For each assignment, candidates must sign a certificate stating that the assignment is their own work. This certificate must be submitted at the same time as the essay and abstract in a sealed envelope addressed to the Chair of Examiners.

(iv) Submission

The written course assignment (two copies), the abstract for the oral presentation (two copies) and the sealed envelope containing the certificate of authorship, should be submitted in an envelope clearly labelled with the candidate's number by noon on Friday of 0th week of the Trinity Term of the academic year in which the examination is taken. The envelope should be addressed to the Examination Schools, High Street, Oxford for the Chair of the Examiners in the Final Honour School of Biological Sciences. Assignments previously submitted for the Honour School of Biological Sciences may be resubmitted. No assignment will be accepted if it has already been submitted, wholly or substantially, for another degree in the University or elsewhere; and each certificate must also contain a confirmation that the assignment has not already been so submitted. Each essay and each abstract shall clearly indicate on the first page the part of the examination and the subject under which the assignment is submitted. Further guidance on the essay and oral presentation will be published in the Guidelines on Projects and Course Assignments.

Mathematical, Physical and Life Sciences Division

Approved at meeting of N/A

Honour School of Computer Science and Philosophy

Clarification to the wording regarding retaking of Part B Computer Science and Philosophy

With immediate effect

In *Examination Regulations* 2013, restructured as outlined in a notice in the Gazette of 24/04/14

Page 205, lines 34-37 and page 206, lines 1-3. Replace:

"c) A candidate on the three-year course who obtains only a Pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; 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. A candidate on the four-year course shall take Part B on one occasion only."

With

"c) A candidate who obtains only a pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; a candidate who fails to satisfy the Examiners in Part C may retake Part C on at most one subsequent occasion. Part B shall be taken on one occasion only by candidates continuing to Part C."

Explanatory Notes

Change to the wording of the regulation governing retaking Part B and Part C to make it clear that any candidate obtaining a pass or failing to satisfy the examiners at Part B may retake on one subsequent occasion. The previous wording implied that in order to retake Part B a candidate needed to be registered for the three-year course.

1314-17-HUG

Mathematical, Physical and Life Science Division

Approved by Joint Committee for Computer Science & Philosophy.

FHS Computer Science and Philosophy

Change to list of Philosophy courses offered in Part B.

For students starting from MT 2013 (Part B MT 2014).

For first examination from 2014-15.

In *Examination Regulations* 2013, restructured as outlined in a notice in the Gazette of 24/04/14

[Detail of change]

1.

p.206, In 28-31 replace:

“The subjects in Philosophy shall be subjects 101-120,122,124 and 125 from the list given in the Special Regulations for All Honours Schools Including Philosophy, and subject to the regulations therein. Each subject in Philosophy shall be assessed by a 3-hour written examination. “

With

“The subjects in Philosophy shall be subjects 101-118,120,122,124,125 and 127 from the list given in the Special Regulations for All Honours Schools Including Philosophy, and subject to the regulations therein. Each subject in Philosophy shall be assessed by a 3-hour written examination.”

2.

p. 206, In 42-43 replace:

“(iv) Each candidate shall offer at least two Philosophy subjects from 101, 102, 104, 108,

122, 124 and 125.”

With

“(iv) Each candidate shall offer at least two Philosophy subjects from 101, 102, 104, 108, 122, 124, 125 and 127.”

Explanatory Notes

The Faculty of Philosophy has moved to abolish paper 119 Formal Logic and replace this with 127 Philosophical Logic. The Computer Science and Philosophy Committee have approved this change.

Mathematical, Physical and Life Sciences Division

Approved at meeting of N/A

Honour School of Computer Science

Clarification to the wording regarding retaking of Part B Computer Science

With immediate effect

In *Examination Regulations* 2013, restructured as outlined in a notice in the Gazette of 24/04/14

Page 202, lines 34-38 and page 203, lines 1-2. Replace:

"c) A candidate on the three-year course who obtains only a Pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; 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. A candidate on the four-year course shall take Part B on one occasion only."

With

"c) A candidate who obtains only a pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; a candidate who fails to satisfy the Examiners in Part C may retake Part C on at most one subsequent occasion. Part B shall be taken on one occasion only by candidates continuing to Part C."

Explanatory Notes

Change to the wording of the regulation governing retaking Part B and Part C to make it clear that any candidate obtaining a pass or failing to satisfy the examiners at Part B may retake on one subsequent occasion. The previous wording implied that in order to retake Part B a candidate needed to be registered for the three-year course.

Mathematical, Physical & Life Sciences Division**Approved at the meeting of the Academic Audit Committee on 27 May 2014****Title of Programme**

Honour School of Geology/Earth Sciences

Brief note about nature of change: The number of examinations in the second year is being reduced from five to three.**Effective date****For students starting the FHS from MT 2014 (starting Part A1 from MT 2014).****Location of change***In Examination Regulations 2013, restructured as outlined in a notice in the Gazette of 24/04/14***Detail of change****“Part A1**

A candidate shall be required to offer:

(i) ~~Three~~Five papers (Part A1), including practical elements, to be taken in Weeks 7 and 8 of Trinity Term, in the third term after the candidate has passed the First Public Examination.

The list of subjects and syllabuses available will be published in the Course Handbook.”

Explanatory Notes

The teaching and examining load in the second year will be reduced. The current set of five three-hour examinations (three written and two practical) will be replaced by three three-hour papers incorporating both written (theory) and practical components. The Department wishes to make these changes in response to feedback from students and comments from external examiners' indicating that the second year is overloaded.

Mathematical, Physical and Life Sciences Division**Approved at meeting of N/A****Honour School of Mathematics and Computer Science**

Clarification to the wording regarding retaking of Part B Mathematics and Computer Science

With immediate effect

In *Examination Regulations* 2013, restructured as outlined in a notice in the Gazette of 24/04/14

Page 341, lines 34-40. Replace:

"c) A candidate on the three-year course who obtains only a Pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; 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. A candidate on the four-year course shall take Part B on one occasion only."

With

"c) A candidate who obtains only a pass or fails to satisfy the Examiners in Part B may retake Part B on at most one subsequent occasion; a candidate who fails to satisfy the Examiners in Part C may retake Part C on at most one subsequent occasion. Part B shall be taken on one occasion only by candidates continuing to Part C."

Explanatory Notes

Change to the wording of the regulation governing retaking Part B and Part C to make it clear that any candidate obtaining a pass or failing to satisfy the examiners at Part B may retake on one subsequent occasion. The previous wording implied that in order to retake Part B a candidate needed to be registered for the three-year course.

**Mathematical, Physical and Life Science Division
Humanities Division**

Approved by MPLS Academic Audit Committee, meeting of 18 Feb 2014

Honour School of Mathematics and Philosophy

Change to the pattern of the fourth year workload to bring Mathematics & Philosophy in line with changes already implemented in Mathematics and other joint degrees.

For students starting FHS from MT 2012 (Part C MT 2014)

For first examination from 2014-15

In *Examination Regulations* 2014

Page 347, lines 9-14. Replace:

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.

With

In **Part C** each candidate shall offer one of the following: (i) Eight units in Mathematics; (ii) Six units in Mathematics and one unit in Philosophy; (iii) Three units in Mathematics and two units in Philosophy; (iv) Three units in Philosophy; from the lists for Mathematics and for Philosophy.

Explanatory Notes

The change is an increase in the workload of the Mathematics only pathway to eight units, (as has already been implemented in the Final Honour School of Mathematics) and accordingly in the two pathways for those wishing to study both Mathematics units and Philosophy units.

Mathematical, Physical & Life Sciences Division

Approved at the meeting of N/A

Title of Programme

Preliminary Examination in Engineering Science

Brief note about nature of change: change of name of Paper P4.

Effective date

For students starting from MT 2014.

Location of change

In *Examination Regulations* 2013.

Detail of change

p.104, line 21

replace

“Paper P4 Energy and the Environment”

with

“Paper P4 Energy”

Explanatory Notes

The name of Paper P4 in Prelims is being changed from “Paper P4 Energy and the Environment” to “Paper P4 Energy” to better reflect the content of the course.

1314-28-TPT

Mathematics, Physical and Life Science Divisional Board

Approved at the meeting of MSc Supervisory Committee, Computer Science, 30th January 2014

MSc in Computer Science

Minor change to submission date for MSc Dissertations in line with Education Committee policy

With effect from 1 October 2014

In *Examination Regulations* 2013

[Detail of change]

p.702, In 40-43 replace:

5. Two typewritten or printed copies of the dissertation must be delivered not later than noon of Friday of week minus 5 of Michaelmas Term of the following academic year to the M.Sc. Examiners (Computer Science), c/o Examinations Schools, High Street, Oxford.

With

5. Two typewritten or printed copies of the dissertation must be delivered not later than noon of Monday of week minus 5 of Michaelmas Term of the following academic year to the M.Sc. Examiners (Computer Science), c/o Examinations Schools, High Street, Oxford.

Explanatory Notes

This deadline is changed in accordance with Education Committee's guidance so that late penalty tariffs can be applied, when appropriate.

Board of Mathematical, Physical and Life Sciences Division

Approved at the meeting of the MPLS Board of Mathematical, Physical and Life Sciences Division, 13 June 2014

Title of Programme

Doctoral training programmes (MPLS)

Brief note about nature of change:

The confirmation milestone for doctoral training programmes is to move from the 9th term after admission to the 10th term to bring it more in line with the later date for transfer which is already in place and to recognise the longer standard term (4 years) of these programmes.

Effective date

1 October 2014

Location of change

Examination Regulations 2013 p.907 IIs 20-29

Detail of change

3. Confirmation of Status as a Student for the Degree of Doctor of Philosophy A candidate on a doctoral training programme who has been admitted to the status of Student for the Degree of Doctor of Philosophy must apply to the board for confirmation of his or her status as a D.Phil. Student ~~before the end of the ninth full-term~~ no later than the eighth week of the tenth term after admission as a research student; and not normally earlier than the ~~ninth~~ ninth term after that in which he or she was initially admitted to the status of a Probationer Research Student or to the status of a student for another higher degree of the University. Students admitted on the programmes listed in 2 (a) (i) – (iv) must apply to the board for confirmation of his or her status as a D.Phil. Student ~~before the end of the sixth full-term~~ no later than the eighth week of the seventh term after admission as a Probationer Research Student, and not normally earlier than the ~~fifth~~ sixth term.

A Student for the Degree of Doctor of Philosophy shall cease to hold such status unless it has been confirmed within ~~nine~~ ten terms of his or her admission to Probationer Research Student status, with the exception of Students admitted on the programmes listed in 2 (a) (i) – (iv), who shall cease to hold such status unless it has been confirmed within ~~six~~ seven

terms of his or her admission to that status, in accordance with 16. §4 cl.5.

Explanatory Notes

Students on doctoral training programmes are expected to transfer two terms later than standard DPhil students, and submit at the end of four years, rather than after three and a half. However, their confirmation deadline is currently the same as standard DPhil students. Having confirmation too early (more than 6 months ahead of expected completion) makes it more difficult for supervisors to judge how close to submission the student really is, and renders the milestone defunct. Directors of doctoral training programmes have also noted that the current method often leads to confirmation being deferred, generating unnecessary paperwork. This change should further support timely submission for students on doctoral training programmes as it would allow the assessors to clearly judge how near to completion the student was, and whether this was achievable.

1314-30-TPR

Mathematical, Physical & Life Sciences Division

Approved at the meeting of the Academic Audit Committee on 27 May 2014

Title of Programme

Doctor of Engineering

Brief note about nature of change:

Update the General Regulations for the DEng to bring the timings for the transfer milestone in line with those for four year doctoral training programmes in the MPLS Division.

Introduce Special Regulations for students supplicating for the DEng (rather than a DPhil) for the new Renewable Energy Marine Structures Centre for Doctoral Training

Delete Special Regulations for the following DEng programme, which has now been withdrawn by the Departments of Engineering and Materials: Doctor of Engineering in Engineered Metals for High Performance Applications in Aerospace and Related Technologies (ENGMET).

Effective date

1. October 2014

Location of change

See below

Detail of change

See below

Explanatory Notes

Students enrolled on the new CDT for Renewable Energy Marine Structures can supplicate either for the Doctor of Engineering (DEng) or the Doctor of Philosophy. For students who will follow the Doctor of Philosophy, the programme has already been added to the list of doctoral training programmes in the regulations for such programmes. For students who

will follow the DEng track, special regulations have been approved by MPLS . These new regulations broadly follow the Special Regulations for the DEng in Engineered Metals for High Performance Applications in Aerospace and Related Technologies (ENGMET). This has also been used as an occasion to update the General Regulations for the DEng to bring the timings of transfer and confirmation into line with those of doctoral training programmes.

The Special Regulations for the DEng in Engineered Metals for High Performance Applications in Aerospace and Related Technologies (ENGMET) will be deleted, as this programme has been withdrawn.

REGULATIONS FOR THE DEGREE OF DOCTOR OF ENGINEERING

Location: Examination Regulations 2013 pages 951 – 952, lines 5 to 32

Rationale: To update the General Regulations for the Doctor of Engineering to ensure that the timing of the transfer and confirmation milestones mirror those for doctoral training programmes in MPLS.

General Regulations

1. Any member of the University who has been admitted to the status of student for the degree of Doctor of Engineering by the Mathematical, Physical and Life Sciences Board and who has satisfied the conditions prescribed by these regulations may supplicate for the degree of Doctor of Engineering.
2. Candidates shall follow a programme of study consisting of (a) coursework and (b) research, in engineering or applied science, in the context of industrial or other professional practice. Each candidate must pass a specified number of coursework modules during the programme of study, as detailed in the ~~Special~~ Regulations for the degree of Doctor of Engineering. Each candidate shall submit for examination a thesis, or portfolio of a coherent set of linked research projects.
3. A student for the degree of Doctor of Engineering shall normally pursue his or her course of study at Oxford for 12 terms.
4. A student for the degree of Doctor of Engineering may be permitted by the Mathematical, Physical and Life Sciences Divisional Board to undertake their research in a well-found research environment outside the University. ~~Such students shall be dispensed from the residence requirements, but shall be required to attend for such instruction as the Division and department concerned shall require, as specified in the Special Regulations and Course Handbook.~~ Before admitting a candidate on this basis, the conditions set out in the Special Regulations of the Mathematical, Physical and Life Sciences Division shall be met.
5. Candidates shall be admitted initially with the status of Probationer Research Student. Students shall hold the status of Probationer Research Student for a maximum of six terms, and shall apply for admission to the status of student for the degree of Doctor of Engineering normally before the end of the fifth term, and no later than the eighth week of the sixth term.
6. A member of the University who has held the status of Probationer Research Student and has completed the qualifying test for entry to Doctor of Engineering status prescribed in the Special Regulations below may be admitted to the status of student for the degree of Doctor of Engineering.
7. A candidate should normally apply for confirmation of his or her status as a student for the degree of Doctor of Engineering no later than the eighth week of the tenth term after that in which he or she was initially admitted to the status of Probationer Research Student. ~~All students for the degree of Doctor of Engineering must have their status confirmed before applying for the appointment of examiners.~~ Candidates applying for confirmation of status must have fulfilled the requirements as specified in the special regulations for the degree of Doctor of Engineering.
8. Examiners of the thesis submitted for the degree of Doctor of Engineering shall bear in mind that their judgement of the substantial significance of the work should take

into account what may reasonably be expected of a capable and diligent student after four years of full-time study.

9. ~~If a candidate is not permitted to continue with Doctor of Engineering status, he or she may be permitted to transfer instead to the status of student for the degree of M.Sc. by Research.~~ If, after considering a candidate's second application for transfer of status, or a candidate's second application for confirmation of status, the responsible body considers that the student's progress does not warrant this, the responsible body may approve his or her transfer to the status of student for the Degree of Master of Science by Research.
10. Except as specifically provided above, and as provided in Special Regulations for the degree of Doctor of Engineering below, the provisions of the following regulations shall apply: Regulations for Admission as a Probationer Research Student; General Regulations for the Degree of Doctor of Philosophy (§1-7); General Regulations of the Education Committee governing the examination of students for the degrees of M.Sc. by Research, M.Litt. and D.Phil. and concerning the maintenance of the register; Special Regulations of Divisional and Faculty Boards concerning the status of probationer research student and the degrees of M.Litt. M.Sc. by Research, and D.Phil.: Mathematical and Physical Sciences Division; provided that, in all cases, 'Doctor of Engineering' shall be substituted for 'Doctor of Philosophy'.

Location: Examination Regulations 2013 pages 952. New regulations to follow on straight after the end of the General Regulations.

Rationale: Provide Special Regulations for students enrolled on the EPSRC Centre for Doctoral Training in Renewable Energy Marine Structures programme who wish to supplicate for a Doctor of Engineering.

(ii) Special Regulations for the degree of Doctor of Engineering in Renewable Energy Marine Structures

1. A Probationer Research Students registered on the Centre for Doctoral Training in Renewable Energy Marine Structures programme may choose to apply for admission to either the degree of Doctor of Engineering or the degree of Doctoral of Philosophy. A Student must choose which degree to apply for no later than the end of the third full-term. The Special Regulations below apply to students seeking to apply for and supplicate for the degree of Doctor of Engineering. For students seeking to apply for the degree of Doctor of Philosophy, the Special Regulations set out in 18.B§7 shall apply.
2. Candidates shall follow a programme of study in Engineering and related disciplines, consisting of (a) coursework and (b) research, and shall have an industrial or other external sponsor.
3. The University of Oxford shall appoint an academic supervisor for each student. The sponsor shall appoint both an external supervisor and a professional mentor for each student. The student shall meet with their academic supervisor normally at least four times per term, at least one of these meetings taking place in Oxford.
4. In order successfully to fulfil the coursework requirements, candidates are required to pass a specified number of coursework modules in each academic year, as

detailed in the Course Handbook. The list of permitted courses is detailed in the Course Handbook, and will be updated annually. If a candidate fails any coursework module they are permitted to re-sit the module according to the details as stipulated in the Course Handbook.

5. Admission to Doctor of Engineering status: Candidates must fulfil the specific conditions as detailed in the Course Handbook. The academic supervisor and external supervisor shall each provide a report on the student's progress. A candidate whose first application for transfer to Doctor of Engineering status is not approved shall be permitted to make one further application, following the procedures laid down above, and shall be granted an extension of time for one term (beyond the six term maximum) if this is necessary for the purposes of making the application.
6. Confirmation of status: Candidates will be required to fulfil the specific conditions, as detailed in the course Handbook, before applying for confirmation of status. A candidate whose first application for confirmation of Doctor of Engineering status is not approved shall be permitted to make one further application, following the procedures laid down above, normally within one term of the original application, and shall be granted an extension of time for one term (beyond the normal maximum of ten terms) if this is necessary for the purposes of making the application.
7. In order to supplicate for the degree of Doctor of Engineering, candidates will be required to pass a specified number of coursework modules, as detailed in the Course Handbook. They will also submit for examination a thesis, or portfolio of a coherent set of linked research projects, as described in the course handbook.
8. The coursework modules shall be provided under arrangements approved by the Mathematical, Physical and Life Sciences Division and the Education Committee, as set out in the Course Handbook. Coursework modules offered by another institution shall be provided under the arrangements approved by the Mathematical, Physical and Life Sciences Division and the Education Committee and set out in a collaboration agreement with that institution. Variation of arrangements for the provision of modules will require the approval of the Mathematical, Physical and Life Sciences Division and the Education Committee.

Location: Examination Regulations 2013 pages 952 - 3.

Delete all of the Special Regulations for the degree of Doctor of Engineering in Engineered Metals for High Performance Applications in Aerospace and Related Technologies (ENGMET).

Rationale: This programme has been withdrawn.

~~1. Candidates shall follow a programme of study in Engineering, Materials Science and related disciplines, consisting of (a) coursework and (b) research, and shall have an industrial or other external sponsor.~~

2. The University of Oxford shall appoint an academic supervisor for each student. The sponsor shall appoint both an external supervisor and a professional mentor for each student. The student shall meet with their academic supervisor normally at least four times per term, at least one of these meetings taking place in Oxford.

3. In order successfully to fulfil the coursework requirements, candidates are required to pass a specified number of coursework modules in each academic year, as detailed in the Course Handbook. The list of permitted courses is detailed in the Course Handbook, and will be updated annually. If a candidate fails any coursework module they are permitted to resit the module according to the details as stipulated in the Course Handbook.

4. Although students may hold the status of Probationer Research Student for a maximum of 6 terms, students shall normally apply to transfer from Probationer Research Student to the status of student for the degree of Doctor of Engineering by the fourth term after admission as a research student. In order successfully to transfer status candidates must fulfil the specific conditions as detailed in the Course Handbook. The academic supervisor and external supervisor shall each provide a report on the student's progress. A candidate whose first application for transfer to Doctor of Engineering status is not approved shall be permitted to make one further application, following the procedures laid down above, and shall be granted an extension of time for one term (beyond the six term maximum) if this is necessary for the purposes of making the application.

5. Candidates shall normally apply for confirmation of status as a student for the degree of Doctor of Engineering not later than the tenth term, and normally by the ninth term, after that in which they were initially admitted as a research student. Candidates will be required to fulfil the specific conditions, as detailed in the course Handbook, before applying for confirmation of status. A candidate whose first application for confirmation of Doctor of Engineering status is not approved shall be permitted to make one further application, following the procedures laid down above, normally within one term of the original application, and shall be granted an extension of time for one term (beyond the normal maximum of ten terms) if this is necessary for the purposes of making the application.

6. If, after considering a candidate's second application for transfer of status, or a candidate's second application for confirmation of status, the responsible body considers that the student's progress does not warrant this, the responsible body may approve his or her transfer to the status of student for the Degree of Master of Science by Research.

7. In order to supplicate for the degree of Doctor of Engineering, candidates will be required to pass a specified number of coursework modules, as detailed in the Course Handbook. They will also submit for examination a thesis, or portfolio of a coherent set of linked research projects.

~~8. The coursework modules shall be provided under arrangements approved by the Mathematical, Physical and Life Sciences Division and the Education Committee, as set out in the Course Handbook. Coursework modules offered by another institution shall be provided under the arrangements approved by the Mathematical, Physical and Life Sciences Division and the Education Committee and set out in a collaboration agreement with that institution. Variation of arrangements for the provision of modules will require the approval of the Mathematical, Physical and Life Sciences Division and the Education Committee.~~

Location: A further amendment to the changes already published to 18. B. 7, currently located in Examination Regulations 2013 p.907

Rationale: add clause 2(e) as below. Re-label existing clauses 2(e) and 2(f) and 2(g), as 2(f) 2(g) and 2(h).

2(e) A Probationer Research Students registered on the Centre for Doctoral Training in Renewable Energy Marine Structures programme may choose to apply for admission to either the degree of Doctor of Engineering or the degree of Doctoral of Philosophy. A Student must choose which degree to apply for no later than the end of the third full-term. The Special Regulations below apply to students seeking to apply for and supplicate for the degree of Doctor of Philosophy. For students seeking to apply for the degree of Doctor of Engineering, the Special Regulations set out in section 19 shall apply.

1314-27-HUG

Mathematical, Physical and Life Science Division

Approved by Joint Committee for Computer Science & Philosophy.

FHS Computer Science and Philosophy

Change to list of Philosophy courses offered in Part C; removal of duplication of regulations.

For students starting from MT 2012 (Part C MT 2014).

For first examination from 2014-15.

In *Examination Regulations* 2013, restructured as outlined in a notice in the Gazette of 24/04/14

[Detail of change]

1.

p.207, In 9-10 replace:

“Each taught Philosophy subject shall be one of the subjects 101-120, 122, 124, 125 and 180”

With

“Each taught Philosophy subject shall be one of the subjects 101-118, 120, 122, 124, 125, 127 and 180”

2.

p.420, In 27-37

replace “In Part B...in the Course Handbook.”

With

“See SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF COMPUTER SCIENCE

AND PHILOSOPHY.”

Explanatory Notes

The Faculty of Philosophy has moved to abolish paper 119 Formal Logic and replace this with 127 Philosophical Logic. The Computer Science and Philosophy Committee have approved this change. Currently the rules about Philosophy papers which student may take are duplicated within the regulations for Philosophy in all Honour Schools including Philosophy. This change also removes that duplication.

1314-26-TUG

Mathematics, Physical and Life Science Division

Approved by Joint Committee for Physics & Philosophy.

FHS Physics and Philosophy

Change to list of Philosophy courses offered; removal of duplication of regulations.

For students starting FHS from MT 2013 (Part B MT 2014).

For first examination from 2014-15.

In *Examination Regulations* 2013, restructured as outlined in a notice in the Gazette of 24/04/14

[Detail of change]

1.

p.452, In 35-40 replace:

“Candidates are required to take (i) subject 101 or 102; (ii) one of subjects 106 and 124; and (iii) subject 120 as specified in the Regulations for Philosophy in all Honour Schools including Philosophy. Candidates who offer a fourth subject in Philosophy must select one from the list of subjects 101-122 and 125 as specified in the Regulations for Philosophy in all Honour Schools including Philosophy, and in accordance with the General Regulations therein. “

With

“Candidates are required to take (i) subject 101 or 102; (ii) one of subjects 106 and 124; and (iii) subject 120 as specified in the Regulations for Philosophy in all Honour Schools including Philosophy. Candidates who offer a fourth subject in Philosophy must select one from the list of subjects 101-118, 120-122, 125 and 127 as specified in the Regulations for Philosophy in all Honour Schools including Philosophy, and in accordance with the General Regulations therein.”

2.

p. 452, ln 47-49 replace:

“A unit in Philosophy consists of one of the subjects 101-104, 107-122, 125 and 180 as specified in the Regulations for Philosophy in all Honours Schools”

With

“A unit in Philosophy consists of one of the subjects 101-104, 107-118, 120-122, 125, 127 and 180 as specified in the Regulations for Philosophy in all Honours Schools”

3.

p.422, ln 2-14

replace “Part B: candidates...of the final examination.”

With

“See SPECIAL REGULATIONS FOR THE HONOUR SCHOOL OF PHYSICS AND PHILOSOPHY.”

Explanatory Notes

The Faculty of Philosophy has moved to abolish paper 119 Formal Logic and replace this with 127 Philosophical Logic. The Joint Committee for Physics and Philosophy have approved this change. Currently the rules about Philosophy papers which students may take are duplicated within the regulations for Philosophy in all Honour Schools including Philosophy. This change also removes that duplication.