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 of 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)
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
MPLS SPECIAL REGULATIONS FOR DOCTORAL TRAINING PROGAMMES

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;

iii) Doctoral Training Partnership in Environmental Research;

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. 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. 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. Other requirements for students for the Degree of Philosophy following a Doctoral Training Centre Programme 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 of 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 (ii)(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 and 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 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

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 the doctoral training programmes listed in section 7).

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

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

<table>
<thead>
<tr>
<th>Lecture Course</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantum Mechanics</td>
<td>Friday second week of Hilary Term</td>
</tr>
<tr>
<td>Statistical Mechanics</td>
<td>Friday second week of Hilary Term</td>
</tr>
<tr>
<td>Molecular Electronic Structure</td>
<td>Friday second week of Trinity Term</td>
</tr>
<tr>
<td>Applied Statistical Mechanics</td>
<td>Friday second week of Trinity Term</td>
</tr>
<tr>
<td>Many-body quantum and statistical mechanics</td>
<td>Friday ninth week of Trinity Term</td>
</tr>
</tbody>
</table>

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.
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.