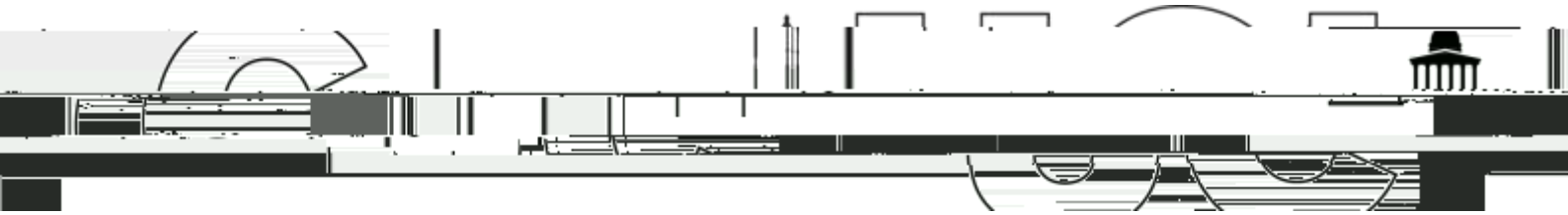

UCL Academic Manual 2017-18

Chapter 8: Derogations and Variations

Doctor in Engineering (EngD) Additional Regulations

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The following regulations apply to students enrolled on Doctor of Engineering programmes at UCL **in addition to** the main Research Degrees regulations detailed in the UCL Academic Manual and in particular in Chapter 1: Admissions, Registration and Student Conduct and Chapter 5: Assessment Framework for Research Programmes.

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1 Doctor in Engineering (EngD) in Biochemical Engineering and Bioprocess Leadership

1.1 Standard Entrance Qualifications

1. The normal minimum entrance qualifications for registration for the degree of Doctor in Engineering in the field of Biochemical Engineering and Bioprocess Leadership is the award of a first or an upper second class Honours degree or equivalent overseas qualification in biological sciences, chemistry, chemical engineering, biochemical engineering, biotechnology, mechanical engineering, electronics and electrical engineering or any related discipline.

2. Relevant postgraduate or industrial experience (especially as gained in the Bioprocessing industry) may be acceptable where the first degree is a lower second-class Honours degree or equivalent overseas qualification.

MRes Progression to the EngD

3. Students holding the MRes in Bioprocessing from UCL will be exempted from the first year of the EngD programme. Students holding an MRes or an equivalent qualification from an external institute may be admitted up to a year after the commencement of the taught element of the EngD programme and be exempted from

to register on the EngD if they passed. If, as a result, they missed taught components which formed part of the EngD registration, these should be followed at the point when they are next available.

1.2 Duration of Programme of Study

1. Full-time: four calendar years or three calendar years for students holding the MRes (Chapter 1, Section 2.3: MRes Progression to the EngD).

1.3 Curriculum

1. The programme of study for the degree of Doctor in Engineering in the field of Biochemical Engineering and Bioprocess Leadership includes formally taught elements which provide academic underpinning for the research undertaken. Candidates are required to complete modules from each of three main elements and undertake substantial research work resulting in a thesis and will be given an oral examination in accordance with Chapter 5: Assessment Framework for Research Programmes.

Further guidance

i) Students who have progressed from an MRes to the EngD are not required to take the year one formally taught elements.

Formally Taught Elements (four-year EngD students)

2. The formal taught part of the EngD programme is comprised of four elements which provide (i) the underlying fundamental skills for research studies in bioprocessing and biochemical engineering (ii) the methodology for the translation of such skills into real engineering outcomes (iii) skills underlying the management and delivery of a research programme and (iv) evidence of original research via submission of research thesis. They must have passed modules to a minimum value of 120 credits in order to quality for submission of the thesis. The modules passed in order to qualify for submission of the thesis must include modules to prescribed credit values taken from each of the three elements (i)-(iii). Normally, students registered on the EngD will have satisfied the requirements for the MRes in the first year of the EngD programme. However, there may be instances where the full

Thesis

3. The thesis shall be submitted in accordance with the Chapter 5: Assessment Framework for Research Programmes.

1.4 Assessment and Final Examination

1. Assessments qualifying a candidate for submission of a thesis shall take place within the period of the overall programme and shall be by written examination or coursework, as prescribed for each individual module.
2. All assessments will be overseen by an examiner external to UCL. A candidate failing any assessment (whether by written paper or by coursework) will be permitted to re-enter the examination for the module in question on one occasion only.
3. The award of the degree shall be dependent on the thesis, which a candidate may not submit until he/she has successfully completed all the other elements of the programme as detailed above, and the oral examination. The thesis must meet the same requirements as those prescribed in Chapter 5: Assessment Framework for Research Programmes.
4. The oral examination shall be conducted by at least two examiners, at least one of whom shall be external to UCL. The examination will be designed to test the thesis against the criteria above and will further examine the candidate's conception and understanding of the integration of all elements of the programme and their related assessment.
5. Students who register as MRes students and subsequently decide to continue to EngD may do so at the end of the first year, provided that they have satisfied the requirements for the MRes degree (as stated above).
6. Students who register on the EngD and are unable to fulfil the requirements of the EngD will be awarded the MRes degree provided that they have satisfied the requirements of the MRes degree.
7. An EngD student who fails the thesis and fails on resubmission may still be awarded an MRes subject to the requirements for MRes as stated (above) being met. Such an award would be at the recommendation of the EngD Board of Examiners. The award would be made by the whole Board of Examiners and would not be something recommended by the examiners of the thesis in any way.

1.5 Dates of Assessment and Final Examination

1. Modules for the taught part of the programme for four year EngD students will be assessed by the methods and at the dates indicated for the module in question.
2. Submission of the thesis shall be by the end of the final year of the programme or normally within a calendar year of the date of completion of the programme of study.

2 Doctor in Engineering (EngD) in Communications

2.1 Standard Entrance Qualifications

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ii) However, in cases where a student did not meet these requirements, but who has the support of the MPhil/PhD or EngD programme organisers, a case in writing can be made to the Chair of the Research Degree Committee for the consideration of suspension of regulations on a case-by-case basis.

2. The length of the MRes programme should be extended to one calendar year and one month to allow Boards of Examiners time to determine awards prior to students registering on the associated EngD or MPhil/PhD programme.

3. MRes students who fail the taught components examined in and before June should be offered their resit opportunity before or in August of the same year.

4. MRes students who are not awarded the degree after the first attempt and the resit attempt should not progress to the associated EngD programme and would be required to leave UCL.

5. MRes students who fail the dissertation should not register on the EngD programme in the following academic year but remain on the MRes and resubmit the dissertation by the end of the first term in the following academic year. The Board would then consider the award for these students in January, when they would be allowed to register on the EngD if they passed. If, as a result, they missed taught components which formed part of the EngD registration, these should be followed at the point when they are next available.

2.2 Duration of Programme of Study

1. Full-time: four calendar years or three calendar years for students holding the MRes (see Chapter 1, Section 2.3: MRes Progression to the EngD).

2.3 Curriculum

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Further guidance

i) Students who have progressed from an MRes to the EngD are not required to take the year one formally taught elements.

First-

the oral examination. The thesis must meet the same requirements as those prescribed in Chapter 5: Assessment Framework for Research Programmes.

4. The oral examination shall be conducted by at least two examiners, one of whom shall be external to UCL. The examination will be designed to test the thesis against the criteria above and will further examine the candidate's conception and understanding of the integration of all elements of the programme and their related assessment.

2.5 Dates of Assessment and Final Examination

1. Modules for the taught part of the programme for four year students will be assessed by the methods and at the dates indicated for the module in question.
2. Submission of the thesis shall be by the end of the final year of the

3.3 Curriculum

1. The specific taught courses to be taken by each of the Research Engineers will be decided in consultation with the industrial sponsors. The aim is to equip the research engineers with management, technical, design and problem solving skills.

   i) Admission to the programme may be at any time during the academic year which may mean that some compulsory courses will not be taken until the 2nd year, depending on start date.

   ii) Candidates are required in the first year normally to complete taught elements, a research and transferable skills programme, a group project, and to complete a written report on research work. In the second year, candidates must complete a further research report and, in the second and subsequent years candidates must complete additional taught courses. To complete the EngD, candidates must undertake substantial research work resulting in a thesis, and undergo a final oral examination. All research carried out during any period of study for the Environmental Engineering Science Doctorate may be included in the thesis provided it has not been presented for award of any other degree.

Technical Courses

2. Compulsory technical taught course:

   Either CIVLR002 Environmental Integrated Design
   Or CIVLG001 Integrated Design
   Plus CIVLR002 Environmental Impact and Resource Management
   Optional technical courses from a range across UCL.

3. Transferable skills taught courses include:

   Compulsory course provided by the CALT:
   Personal and professional skills in research practice (PPSRP)
   At least one of the following courses provided by the Management Studies Centre:
   MASTC01/GC01 Project Management
   MASTD03/GD03 Product Innovation in Organisations
   MASTD05/GD05 The Business Plan
   MASTD02/GD02 New Ventures Business

First-Year Elements

4. Candidates are normally required in the first year to follow a programme of taught courses, professional and research training, group project work, and research, structured as three components:

by coursework) will be permitted to re-enter the examinations for the course or module in question on one occasion only.

3. The award of the degree shall be dependent on the thesis, which a candidate may not submit until he/she has successfully completed all the other elements of the programme as detailed above, and dependent on the final oral examination. The thesis must meet the same requirements as those prescribed in Chapter 5: Assessment Framework for Research Programmes.

4. The final oral examination shall be conducted by at least two examiners, at least one of whom shall be external to UCL. The examination will be designed to test the thesis against the crit extern

may be taken into consideration where the first degree is a lower second-class Honours degree or equivalent overseas qualification.

MRes Progression to the EngD

4.2 Duration of Programme of Study

1. Full-time: four calendar years or three calendar years for students holding the MRes (see Chapter 1, Section 2.3: MRes Progression to the EngD).

4.3 Curriculum

1. The programme of study for the degree of Doctor in Engineering in the field of Virtual Environments, Imaging and Visualisation includes formally taught elements which provide academic underpinning for the research undertaken. Candidates are required in the first year normally to complete taught elements, a research and transferable skills programme, a group project, and to complete a written report on research work. In the second year, candidates must complete a further research report and, in the second and subsequent years candidates must complete additional taught courses. To complete the EngD, candidates must undertake substantial research work resulting in a thesis, and undergo a final oral examination in accordance with Chapter 5: Assessment Framework for Research Programmes. All research carried out during any period of study for the VEIV Engineering Doctorate may be included in the thesis provided it has not been presented for award of any other degree.

Further guidance

i) Students who have progressed from an MRes to the EngD are not required to take the year one formally taught elements.

First-Year Elements (four-year students)

2. Candidates are normally required in the first year to follow a programme of taught courses, professional and research training, group project work, and research, structured as three components: (i) the underlying technical knowledge and skills needed for research in the field of study, (ii) the generic research, professional and transferable skills required for the translation of such skills into scientific and engineering outcomes and for the management and delivery of a research programme, and (iii) research work. In order to progress beyond the first year of the EngD programme, candidates must successfully complete respectively: (i) seven half-unit taught postgraduate courses or equivalent modules, including compulsory core courses and modules; (ii), professional and transferable skills courses and group project work; and, (iii), a research report of not less than 10,000 and not more than 25,000 words and presentation.

Second-Year Elements

3. Candidates are normally required to complete one or two additional half-unit taught postgraduate courses or equivalent modules, to complete a second research report of not less than 10,000 and not more than 25,000 words and presentation, and to

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