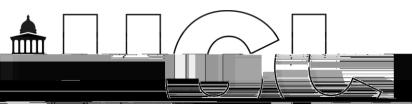**UCL Student and Registry Services Division**
Academic Services Department

Academic Regulations for Students

Specific Programme Regulations for Research Degree Students, Doctor in Engineering [EngD]

Academic Session 2013-2014

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    iii)   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.

    iv)

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Formally Taught Elements (four year EngD students), Biochemical Engineering and Bioprocess Leadership

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

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Students who register as MRes students and subsequently decide to continue to EngD

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MRes Progression to the EngD in Communications

Students holding the MRes in Telecommunications or with equivalent qualification/experience may be admitted up to a year after the commencement of

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.

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 the UCL Academic Regulations and Guidelines for Research Degree Students, Section 2: Examinations. (See link at the end of this section.)

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, Communications

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.

Submission of the thesis shall be by the end of the final year of the programme or within a calendar year of the date of completion of the programme of study.

Link for Section 2

[UCL Academic Regulations and Guidelines for Research Degree Students, Section 2: Examinations (PDF)](#)

3 EngD in Environmental Engineering Science (ENVES)

3.1 Entry Requirements, ENVES

A relevant BSc, BEng, BA, MEng, at upper second class or above or MSc in science or engineering, as appropriate for research topics. Relevant postgraduate or industrial experience may be taken into consideration when the first degree is a lower second class honours degree or equivalent overseas qualification. An exit award at MRes level is not offered on this programme.

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3.2   Duration of the programme, ENVES

4 calendar years full time.

3.3

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First-Year Elements, ENVES

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, normally candidates must successfully complete respectively: (i) an environmental integrated design project and (ii) professional and transferable skills course (iii), a research report of not less than 10,000 and not more than 25, 000 words and presentation.

Second-Year Elements, ENVES

Candidates are normally required to complete one or two additional 10 credit 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, "based on their industrial activity" and to undergo a preliminary oral examination on their research work.

Taught Courses and Training Elements, ENVES

In subsequent years, candidates must normally complete further approved postgraduate courses or modules so that at least 120 credits or equivalent modules are completed during the four-years of the EngD programme. They should normally, in the second and third years of the programme, also follow an appropriate scheme of continuing professional development to supplement the research, professional

3.4   Assessments and Final Examinations, ENVES

Assessments qualifying a candidate for submission of a thesis shall take place within the period of the overall programme and shall be by written examinations or coursework, as prescribed for each individual postgraduate course or module.

All assessments will be overseen by an examiner external to UCL. A candidate failing any assessments (whether by written paper or by coursework) will be permitted to re-enter the examinations for the course or module in question on one occasion only.

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 the UCL Academic Regulations and Guidelines for Research Degree Students, Section 2: Examinations. (See link at the end of this section.)

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 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.

3.5   Dates of Assessment and Final Examination, ENVES

Modules for the taught part of the programme will be assessed by the methods and at the dates indicated for the module in question.

Submission of the thesis shall be by the end of the final year of the programme or within a calendar year of the date of completion of the programme of study.

Link for Section 3

UCL Academic Regulations and Guidelines for Research Degree Students, Section 2: Examinations (PDF)

4 EngD in virtual environments imaging and visualisation (VEIV)

4.1 Standard Entrance Qualifications, VEIV

The normal minimum entrance qualification for registration for the degree of Doctor in Engineering in the field of Virtual Environments, Imaging and Visualisation is the award of a first or upper second class Honours degree or equivalent overseas qualification in a relevant discipline such as: computer science, architecture, engineering (electronic, electrical, mechanical, civil, etc.), physical sciences (physics, chemistry, astronomy, etc.), mathematics or any related discipline. Overseas candidates must also hold an appropriate qualification in English for speakers of other languages. Relevant postgraduate or industrial experience 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 in VEIV

Candidates holding the MRes in Computer Vision, Image Processing, Graphics and Simulation or with equivalent qualifications/experience may, in exceptional circumstances, for example where an appropriate Master's Research project has been carried out, be admitted up to a year after commencement of the taught programme and can be exempted from part or all of the EngD taught programme with permission of the EngD programme Director.

Further guidance on MRes Progression to the EngD in VEIV

i) Students registered on an MRes associated with an EngD should only be required to achieve the award of the MRes. The previously agreed mark requirements over and above the award of the degree (such as the MRes pass mark of 60) should be dispensed with.

ii) 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 PhD programme.

iii) 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.

iv) 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

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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.

4.2   Duration of Programme of Study, VEIV

Full-time*:* four calendar years or three calendar years for students holding the MRes. See 4.1, MRes Progression to the EngD in VEIV)

4.3   Curriculum for EngD in VEIV

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 the UCL Academic Regulations and Guidelines for Research Degree Students, Section 2: Examinations. (See link at the end of this section.) 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 on the curriculum for EngD in VEIV

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), VEIV

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.

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Candidates who are unable to fulfil the requiremeb