

Programme Specification

1. Programme Title: PhD by Thesis in Economics
2. Awarding Institution: University of Reading
3. Programme Status: Existing programme
4. Programme Length:

Full-time		Part-time		
Expected	Maximum	Minimum	Expected	Maximum
3 years	4 years	4 years	5 years	6 years

Full-time students are able to submit their thesis after the first day of the 9th term; part-time students are able to submit their thesis after the first day of the 12th term. The Dean of Postgraduate Research (PGR) Studies can approve requests for earlier submission where a case merits this.

5. Entry Requirements

Academic: Applicants should normally possess a Master's degree or equivalent qualification.

The Dean of PGR Studies can approve the admission of students with lower or non-standard qualifications.

Language: Applicants whose first language is not English should normally have attained a score of at least 6.5 (with a score of no less than 5.5 on each of the four subsections) on the IELTS (International English Language Testing System), or equivalent, test.

Again, the Dean of PGR Studies can approve the admission of students with a lower mark if there is other evidence of appropriate English language proficiency.

APEL: Where previous experience in research is deemed satisfactory by the Dean of PGR Studies, the prescribed period of study may be reduced to two academic years for applicants for full-time PhD study and three academic years for applicants to part-time PhD study.

6. Learning Outcomes¹

By completion of the PhD, students should be able to demonstrate:

- That they are competent as an independent researcher in their discipline and capable of continuing to undertake research at an advanced level, contributing substantially to the development of new Ideas, techniques or approaches. As part of this, they should have gained;
 - An ability to evaluate critically the existing literature relevant to their thesis topic
 - An ability to conceptualise, design and implement a project for the generation of significant new knowledge and / or understanding
 - An ability to relate theory and concepts to evidence in a systematic way and to draw appropriate conclusions based on evidence
- An understanding of the place of the student's research in the context of the relevant field of study
- Awareness of the research integrity and relevant ethical and professional considerations
- Effective management of a project, from identifying research questions, planning interim milestones and timescale, prioritising activities, managing research resources, through to timely completion
- An appreciation of the impact (interpreted in the broadest sense) of their research and how to exploit this
- They should also be able to demonstrate that they can
 - Write clearly and in a style appropriate to the purpose and audience
 - Construct coherent arguments and articulate and defend ideas clearly to a range of audiences, through a variety of techniques
 - Develop and maintain working relationships and co-operative networks with supervisors, colleagues, peers and the wider research community
 - Demonstrate self-awareness and the ability to identify own training needs, in relation to their current position and future career development

In addition, many students will have attained additional skills relating to areas such as teaching, mentoring, public engagement, exploitation and commercialisation of research, and leadership.

7. Programme outline

The programme will comprise:

- An independent research project that makes an original contribution to knowledge, written up in the form of a thesis
- Research training
 - Discipline Specific skills:

¹ This adheres to level 8 of the FHEQ as required by the QAA

Students are required to take, and pass, three taught modules during their first year of registration. Further details, including on assessment, are set out in Annex 1.

- Generic / transferable skills:

At the start of their programme, students will complete a Learning Needs Assessment to determine what further training would be beneficial to their studies and ongoing career development. This has to be reviewed by the supervisor/s and approved by the School / Department Director of PGR Studies

Students are normally required to take at least five courses from the Reading Researcher Development Programme (RRDP) in year 1, and at least three courses in years 2 and 3 (or part-time equivalent). The Preparing to Teach programme can substitute for one of these.

School / Department Directors of PGR Studies can alter these requirements in cases where students have taken equivalent courses in their Schools or elsewhere, or have appropriate professional experience.

- Other training:

Students may wish, or be required, to take additional training from within the University, such as that provided by the International Study and Language Centre.

8. Progression

- Students will be subject to an annual review of progress, the details of which are summarised in the Code of Practice on Research Students²
- In year 2 (or equivalent for part-time students), the review will take the form of a Confirmation of Registration assessment.
 - The criteria for the assessment are:
 - Is the work presented by the student such as might reasonably be expected as a result of their having studied for the equivalent of around 12-18 months full-time for a PhD.
 - Has the student shown that he or she is able to exercise independent critical judgement.
 - Has the student demonstrated that he / she understands how his / her research topic is related to a wider field of knowledge.
 - Has the student demonstrated the ability to produce an original contribution to knowledge
 - Is the amount and nature of the subject-specific and generic research skills training that has been undertaken by the student appropriate to his / her needs, as identified through a Learning Needs Analysis or similar process.
 - Is the student's work, and his / her understanding of it, of a standard that indicates that it will lead to the successful submission of a PhD thesis within 3-4 years full-time registration (or part-time equivalent)
 - The four possible outcomes of this assessment are:

² Available at http://www.reading.ac.uk/web/FILES/qualitysupport/cop_resstudents.pdf

- Confirmation of PhD status at first attempt
- Deferral of the decision, with an agreed plan of remedial action, and an opportunity to be re-assessed at an agreed time (normally with 3 months of the original interview). This is the expected outcome if Confirmation is not agreed at first attempt.
- Transfer of registration to MPhil
- Invocation of procedures for Academic Engagement & Fitness to Study

9. Additional requirements

Students should normally make at least two oral presentations of their work, to an appropriate audience within the School or Department, during the course of their programme.

10. Final Assessment

Students are required to submit a thesis, the length of which should not normally be greater than 90,000 words. The format of this is specified in the Rules for Submission of Theses for Higher Degrees³. Any divergence from these rules must be approved by the Dean of PGR Studies before the student submits.

Assessment of the thesis normally takes the form of a *viva voce* examination, conducted by two independent examiners. Further details of the procedure can be found in the Guide for Examiners of Higher Degrees by Research⁴.

Criteria for the award of the degree

- The work presented by the candidate is such that it might reasonably be expected as a result of three years full-time postgraduate work;
- The abstract of the thesis is acceptable as it is, or with some modification
- The candidate understands how his or her thesis topic is related to a wider field of knowledge
- The candidate can demonstrate;
 - the creation and interpretation of new knowledge, through original research or other advanced scholarship, of a quality to satisfy peer review, to extend the forefront of their discipline, and to merit publication in an appropriate form
 - a systematic acquisition and understanding of a substantial body of knowledge which is at the forefront of the discipline or area of professional practice

³ Available at <http://www.reading.ac.uk/graduateschool/currentstudents/gs-pgexaminations.aspx>

⁴ Available at <http://www.reading.ac.uk/graduateschool/currentstudents/gs-pgexaminations.aspx>

- the general ability to conceptualise, design and implement a project for the generation of new knowledge, applications or understanding at the forefront of the discipline, and the ability to adjust the project design in the light of unforeseen problems
- a comprehensive understanding of techniques applicable to their own research or advanced scholarship.

11. Research Environment and Facilities

Schools and Departments are responsible for providing students with information about the availability of, and access to, relevant research facilities, as well as information about relevant School / Department based events.

The University Graduate School provides additional space and facilities for PhD students⁵.

12. Student Support and Guidance

In addition to that provided by the supervisor/s, School / Department Director of PGR Studies, and other School staff, students can draw on support and advice relating to the progress and management and their research programme from the PGR School Support Team and the Doctoral Research Office, both based within the Graduate School.

Sources of additional support and advice within the University are listed on the Graduate School website⁶.

13. Student representation

- School / Department representatives attend termly meetings in the Graduate School to bring forward any matters of concern and to comment on matters raised by Graduate School staff.
- One or more postgraduate research students will also be a member of the appropriate board or committee where postgraduate research matters are discussed within the School / Department.

14. Student feedback

Students are expected to complete a questionnaire on their supervisory arrangements on an annual basis. This is carried out via a standard University form, which is emailed to all students. Completed forms need to be returned to the Graduate School⁵. A process is in place for following up any issues raised by students. Further details are given in the Code of Practice process².

⁵ Available at <http://www.reading.ac.uk/graduateschool>

⁶ Available at <http://www.reading.ac.uk/graduateschool/currentstudents/gs-university-services.aspx>

Where Schools and Departments run subject specific training courses, they will have arrangements in place for students to provide feedback on these.

Students are asked to complete a feedback questionnaire on each RRDP course attended. Students can also feedback on any aspect of the RRDP directly to the Graduate School⁷, or through their School / Department Director of PGR Studies, or their School / Department PGR Representative.

⁷ Email gradschool@reading.ac.uk

Annex A: Taught course requirements

Candidates are **required** to take the following (practical) modules, which are assessed by coursework only:

- Microeconometrics 1 (ECM607A, 10 credits, Autumn Term)
- Microeconometrics 2 (ECM607B, 10 credits, taught in Spring Term)
- Macroeconometrics (ECM607C, 10 credits, taught in Spring Term)

Candidates are **normally required** to take the following modules:

- Microeconomics III (ECM191, 10 credits, taught in Spring Term)
- Macroeconomics III (ECM194, 10 credits, taught in Spring Term)
- One module from the following, Level 7, which is most relevant to the candidate's research area:
 - o The Economics of Financial Markets
 - o Advanced International Macroeconomics and Finance
 - o Development Economics
 - o Climate Change and Economic Policies
 - o Topics in Business Economics
 - o Economics of Corporate Strategy
 - o Strategic Diversity and the Political Economy of Multinationals
 - o The Economics of the Multinational Enterprise
 - o Environmental Economics
 - o Resource and Environmental Economics
 - o Stochastic Calculus and Probability
 - o Financial Econometrics
 - o Real Estate Economics
 - o Appropriate Level 7 modules from Departments of Mathematics or Statistics
 - o Any other University of Reading modules, with Economics PGR Director approval

Details of all University modules can be found here: <http://www.reading.ac.uk/module/index.aspx>

Note, some of these modules are 20 credits, but these cannot be chosen and then argued to substitute for one of the other expected 10 credit modules (without an exemption), i.e. the candidate then takes 70 credits total.

If a candidate has little economics background, then they will be encouraged to audit (not assessed) Macroeconomics 1 & 2 (ECM192 & ECM193) and Microeconomics 1 & 2 (ECM189 & ECM190). In these cases, doing so would likely be a condition of their application being accepted.

The Economics PGR Director can exempt candidates from taking any of these modules if they have previously taken them or similar courses as a candidate in Reading or elsewhere. The Director can also grant exemptions for candidates working in certain sub-disciplines which rely primarily on the use of qualitative methodologies.

Candidates should seek agreement from their supervisors if they wish to apply for an exemption because they have a strong rationale to take less than or a different combination of the 60 credits listed above. Generally, this will take place as part of the aforementioned Learning Needs Analysis after initial registration.

PhD by Distance candidates: as part of the decision-making process of whether to accept a case for PhD by distance, the candidate, prospective supervisors and Economics PGR Director will consider exemptions, and whether the candidate can attend some of the taught modules in Reading or already has enough training to achieve the PhD. Currently the only courses we can teach from distance are Microeconomics 3 (ECM191) and Macroeconometrics (ECM607C).

Assessment:

The pass mark for each of the modules individually is 50%.

To pass the taught part of the programme overall, candidates must achieve one of the following:

- An average over the taught modules taken (including exemptions) of 60%
- An average over the taught modules taken (including exemptions) of 50%, with at least 40 credits of modules with 60% or greater and no more than 10 credits failed (less than 50%)