

V18AA Doctor of Philosophy - Land and Environment

Year and Campus:	2015 - Parkville
CRICOS Code:	056964G
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Research Higher Degree
Duration & Credit Points:	Students are expected to complete this research in 3.00 years full time, or equivalent part time. Credit Points: 300
Coordinator:	Professor Brian Leury
Contact:	<p>Faculty of Veterinary and Agricultural Sciences</p> <p><i>Current Student Enquiries</i> Phone: 13 MELB (13 6352) Email: 13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)</p> <p>Future Student Enquiries (https://nexus.unimelb.edu.au/OnlineEnquiryForm.aspx?f=58377608&m=4243592&l=0&programcode=MSLE-ALL&cssurl=http://www.land-environment.unimelb.edu.au/template-assets-custom/css/iframe.css)</p>
Course Overview:	<p>The degree of Doctor of Philosophy signifies that the holder has undertaken a substantial piece of original research, which has been conducted and reported by the holder under proper academic supervision and in a research environment for a prescribed period.</p> <p>The PhD thesis demonstrates authority in the candidate's field and shows evidence of command of knowledge in relevant fields. It shows that the candidate has a thorough grasp of the appropriate methodological techniques and an awareness of their limitations. The thesis also makes a distinct contribution to knowledge. Its contribution to knowledge rests on originality of approach and / or interpretation of the findings and, in some cases, the discovery of new facts. The thesis demonstrates an ability to communicate research findings effectively in the professional arena and in an international context. It is a careful, rigorous and sustained piece of work demonstrating that a research 'apprenticeship' is complete and the holder is admitted to the community of scholars in the discipline.</p> <p>In scope, the PhD thesis differs from a research Masters thesis chiefly by its deeper and more comprehensive treatment of the chosen subject. It is written succinctly, in English, unless approval has been given for the thesis to be written in a language other than English. The normal length of a PhD thesis is 80,000 words, exclusive of words in tables, maps, bibliographies and appendices. Footnotes are included as part of the word limit. The thesis should not exceed 100,000 words (or equivalent) without special approval from the Research Higher Degrees Committee.</p>
Learning Outcomes:	See 'Graduate Attributes'
Course Structure & Available Subjects:	<p>The degree of Doctor of Philosophy signifies that the holder has undertaken a substantial piece of original research which has been conducted and reported by the holder under proper academic supervision and in a research environment for a prescribed period.</p> <p>In scope, the thesis differs from a research Masters thesis chiefly by its deeper and more comprehensive treatment of its subject.</p> <p>The length of the thesis varies with each discipline with 80,000 words being the norm. The thesis should not exceed 100,000 words (or equivalent) without special approval from the RHD Committee.</p>
Entry Requirements:	<p>1. In order to be considered for entry, applicants must have completed:</p> <p># a four-year bachelor degree in a relevant discipline which includes a substantial research component equivalent to at least 25% of one year of full-time study and have achieved a minimum weighted average of 75% in the final year subjects or (University of Melbourne) equivalent;</p>

or

- # a masters degree in a relevant discipline which includes a substantial research component equivalent to at least 25% of one year of full-time study and achieved a minimum weighted average of 75% or (University of Melbourne) equivalent;

or

- # a qualification and professional experience considered to be equivalent;

and

- # a research proposal (except for applicants to the Melbourne Graduate School of Science; Melbourne Business School in the disciplines of Accounting, Economics, Finance, the Melbourne Institute; Melbourne Conservatorium of Music in the discipline of composition); and
- # a folio plan (for applicants to the Melbourne Conservatorium of Music in the discipline of composition); and
- # referee reports (except for applicants who have graduated from the University of Melbourne within the last 5 years); and
- # the endorsement of a prospective supervisor (for applicants to the Faculty of Medicine, Dentistry and Health Sciences, Melbourne Graduate School of Science, Melbourne School of Engineering and the Melbourne School of Information).

Meeting these requirements does not guarantee selection.

2. In selecting applicants, the selection committee will consider applicants':

- # prior academic performance and, if relevant, professional qualifications;
- # understanding of the research question to be explored;
- # demonstrated ability in academic writing (for applicants to the Melbourne School of Government and the Graduate School of Humanities and Social Sciences);
- # demonstrated ability in design (for applicants to the Melbourne School of Design);
- # demonstrated ability in the creative discipline (for applicants to the Victorian College of the Arts and for applicants to the Melbourne Conservatorium of Music in the disciplines of performance and composition);
- # the results of a Graduate Record Examinations (GRE) test or Graduate Management Admission Test (GMAT) completed within the last five years (for applicants to the Melbourne Business School);
- # performance at an interview;
- # the applicant's motivation and capacity to complete the course in a timely manner;
- # relevant prior research and/or professional experience; and
- # the referee reports.

3. The selection committee may seek further information to clarify any aspect of an application in accordance with the **Selection and Admission into Graduate Research Courses Policy**.

4. The minimum English language requirements for this course are:

PhD – Melbourne School of Design **Band 7** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

PhD – Melbourne School of Humanities and Social Sciences **Band 7** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

PhD – Melbourne School of Government **Band 7** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

PhD – Faculty of Business and Economics **Band 7** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

PhD – Melbourne Graduate School of Education **Band 7** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

PhD – Melbourne Business School **Band 7** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

PhD – Melbourne School of Engineering **Band 6.5** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

PhD – Melbourne School of Information **Band 6.5** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

	<p>PhD – Melbourne Law School Band 7 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne Medical School Band 6.5 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne Dental School Band 7 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne School of Health Sciences Band 7 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne School of Population and Global Health Band 7 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne School of Psychological Sciences Band 6.5 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Medical Research Institutes Band 6.5 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne Graduate School of Science Band 6.5 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne School of Veterinary Science Band 6.5 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Melbourne Conservatorium of Music Band 6.5 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>PhD – Victorian College of the Arts Band 6.5 (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p>
Core Participation Requirements:	<p>The Faculty of Veterinary and Agricultural Sciences (FVAS) welcomes applications from students with disabilities. It is University and Faculty policy to take reasonable steps to make reasonable adjustments so as to enable the student's participation in the Faculty's programs. FVAS contributes to the New Generation degrees and offers a broad range of programs across undergraduate and post-graduate levels many of which adopt a multi-disciplinary approach. Students of the Faculty's courses must possess intellectual, ethical, and emotional capabilities required to participate in the full curriculum and to achieve the levels of competence required by the Faculty. Candidates must have abilities and skills in observation; motor in relevant areas; communication; in conceptual, integrative, and quantitative dimensions; and in behavioural and social dimensions. Adjustments can be provided to minimise the impact of a disability, however students need to be able to participate in the program in an independent manner and with regard to their safety and the safety of others. I. Observation: In some contexts, the student must be able to observe demonstrations and experiments in the basic and applied sciences. More broadly, observation requires reading text, diagrams, maps, drawings and numerical data. The candidate should be able to observe details at a number of scales and record useful observations in discipline dependant contexts. II. Communication: A candidate should be able to communicate with fellow students, professional and academic staff, members of relevant professions and the public. A candidate must be able to communicate effectively and sensitively. Communication includes not only speech but also reading and writing. III. Motor: Candidates should have sufficient motor function necessary for participation in the inherent discipline-related activities. The practical work, design work, field work, diagnostic procedures, laboratory tests, require varying motor movement abilities. Off campus investigations may include visits to construction sites, urban, rural and/or remote environments. IV. Intellectual-Conceptual, Integrative and Quantitative Abilities: These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem solving, the critical skill demanded of professionals in land and environment industries, requires all of these intellectual abilities. In addition, the candidate should be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures. V. Behavioural and Social Attributes: A candidate must possess behavioural and social attributes that enable them to participate in a complex learning environment. Students are required to take responsibility for their own participation and learning. They also contribute to the learning of other students in collaborative learning environments, demonstrating interpersonal skills and an understanding of the needs of other students. Assessment may include the outcomes of tasks completed in collaboration with other students. Students who feel their disability will prevent them from meeting the above academic requirements are encouraged to contact the Disability Liaison Unit.</p>
Graduate Attributes:	<p>Doctoral degrees at the University of Melbourne seek to develop graduates who demonstrate academic leadership, increasing independence, creativity and innovation in their research work. The University expects its doctoral graduates to have the following qualities and</p>

	<p>skills: an advanced ability to initiate research and to formulate viable research questions; a demonstrated capacity to design, conduct and report sustained and original research; the capacity to contextualise research within an international corpus of specialist knowledge; an advanced ability to evaluate and synthesize research-based and scholarly literature; an advanced understanding of key disciplinary and multi-disciplinary norms and perspectives relevant to the field; highly developed problem-solving abilities and flexibility of approach; the ability to analyse critically within and across a changing disciplinary environment; the capacity to disseminate the results of research and scholarship by oral and written communication to a variety of audiences; a capacity to cooperate with and respect the contributions of fellow researchers and scholars; a profound respect for truth and intellectual integrity, and for the ethics of research and scholarship; an advanced facility in the management of information, including the application of computer systems and software where appropriate to the student's field of study; an understanding of the relevance and value of their research to national and international communities of scholars and collaborators; an awareness where appropriate of issues related to intellectual property management and the commercialisation of innovation; and an ability to formulate applications to relevant agencies, such as funding bodies and ethics committees. The University provides a variety of opportunities in addition to the supervised research program, to facilitate a students' acquisition of these attributes.</p>
Links to further information:	<p>www.gradresearch.unimelb.edu.au</p>
Notes:	<p>Application Procedure Detailed information for prospective PhD students regarding the application process, including the application form is available at http://www.futurestudents.unimelb.edu.au/grad/research (http://www.futurestudents.unimelb.edu.au/grad/research) . It is important to note that there is a separate application form for local and international students. PhD applicants should discuss their research interests with a potential supervisor at the department in which they would like to enrol prior to submitting an application. The Find an Expert (http://www.findanexpert.unimelb.edu.au/) website may assist you to find an appropriate supervisor. Prospective PhD candidates should also investigate department websites for information on current research and contact details. Department websites are easily accessed from faculty homepages (http://www.unimelb.edu.au/az/faculties.html) . Applications are accepted year-round. Which scholarship can I apply for? Students can find information about graduate research scholarships offered by the University of Melbourne at the Melbourne Scholarships Office (http://cms.services.unimelb.edu.au/scholarships/pgrad/) . Facilities and Supports: The Melbourne School of Graduate Research makes available a broad range of Programs & Services (http://www.gradresearch.unimelb.edu.au/programs/) available to graduate research students.</p>