

OPTO90025 Research Studies in Vision and Optometry

Credit Points:	25									
Level:	9 (Graduate/Postgraduate)									
Dates & Locations:	This subject is not offered in 2013.									
Time Commitment:	Contact Hours: Nine 1-hour lectures delivered during the first half of Semester 1 Total Time Commitment: Estimated total time commitment - 240 hours									
Prerequisites:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>OPTO90027 Integrated Ophthalmic Sciences</td> <td>Not offered 2013</td> <td>75</td> </tr> <tr> <td>OPTO90024 Preclinical Optometry</td> <td>Not offered 2013</td> <td>25</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	OPTO90027 Integrated Ophthalmic Sciences	Not offered 2013	75	OPTO90024 Preclinical Optometry	Not offered 2013	25
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Recommended Background Knowledge:	None									
Non Allowed Subjects:	None									
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements for this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/									
Contact:	Dr Mike Pianta Email: mip@unimelb.edu.au (mailto:mip@unimelb.edu.au) Dr Larry Abel Email: label@unimelb.edu.au (mailto:label@unimelb.edu.au)									
Subject Overview:	<p>Note: This subject is only available to students enrolled in the Doctor of Optometry.</p> <p>This subject aims to introduce the student to the research culture in the discipline by involvement in a piece of investigation in vision science under the supervision of a member of the academic staff. The project will usually involve an in-depth appraisal of the scientific literature and, as appropriate to the topic, the use of biochemical, molecular biological, pharmacological, neurophysiological, psychophysical, computational, epidemiological or advanced clinical techniques. The practical component of the project will be typically undertaken as a collaborative team effort and a manuscript prepared by each student separately. At the beginning of the year, there will be a short series of lectures/workshops that will provide the students with basic knowledge of research methods, especially the use of statistics.</p>									
Objectives:	<p>On completion of this subject students should:</p> <ul style="list-style-type: none"> # have attained skills in problem identification, and developed expertise in applying these skills to scientific problems in the visual and clinical sciences; # have developed a sense of intellectual curiosity and a desire for lifelong learning, with the ability to adapt to scientific, technological and social change, and a capacity to be creative and innovative; # have developed written communication skills that allow them to establish and maintain relationships with professional colleagues and the general community. 									

Assessment:	A 60-minute written exam mid-Semester 1 representing 10% of the final mark for this subject. A 1,000-word written group project proposal submitted in the first half of Semester 1. This is a hurdle requirement, administered on a pass/fail basis. Students may be given the opportunity to undertake additional assessment during semester if they fail this hurdle. Ongoing assessment of individual performance in the laboratory, or other, setting throughout the year representing 10% of the final mark for this subject. An individually prepared 4,000-word manuscript, to be submitted at the end of Semester 2 representing 80% of the final mark for this subject. Satisfactory completion of all assessment items is required to pass this subject.
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<p>On completion of this subject students should:</p> <ul style="list-style-type: none"> # have an appreciation of the design, conduct and reporting of original research; # have a capacity to manage competing demands on time, including self-directed project work; # be able to work as part of a team to address a common goal; # have a profound respect for truth and intellectual integrity, and for the ethics of scholarship; # be able to independently advance their professional expertise and knowledge in optometry; # be able to evaluate scientific literature as a foundation to evidence based practice; # be able to articulate the interpretation of data in written form; # be able to integrate knowledge from different domains and articulate knowledge and understanding in written and oral forms; # value the collection and recording of accurate and complete data.
Related Course(s):	Doctor of Optometry