

PATH30005 Ocular Histopathology

Credit Points:	12.50															
Level:	3 (Undergraduate)															
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.															
Time Commitment:	Contact Hours: 24 x one hour lectures and 18 hours of practical and tutorial classes during the semester Total Time Commitment: Estimated total time commitment of 120 hours.															
Prerequisites:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ANAT20005 Anatomy & Histology of the Eye</td> <td>Not offered 2012</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus one of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PATH20001 Exploring Human Disease - Science</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>PATH20002 Exploring Human Disease - Optometry</td> <td>Not offered 2012</td> <td>12.50</td> </tr> </tbody> </table> <p>Enrolment into this subject is only by invitation of the Head of Department.</p>	Subject	Study Period Commencement:	Credit Points:	ANAT20005 Anatomy & Histology of the Eye	Not offered 2012	12.50	Subject	Study Period Commencement:	Credit Points:	PATH20001 Exploring Human Disease - Science	Semester 2	12.50	PATH20002 Exploring Human Disease - Optometry	Not offered 2012	12.50
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ANAT20005 Anatomy & Histology of the Eye	Not offered 2012	12.50														
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PATH20001 Exploring Human Disease - Science	Semester 2	12.50														
PATH20002 Exploring Human Disease - Optometry	Not offered 2012	12.50														
Corequisites:	None															
Recommended Background Knowledge:	None															
Non Allowed Subjects:	None															
Core Participation Requirements:	For the purposes of considering applications for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005) and Students Experiencing Academic Disadvantage Policy, this subject requires all students to actively and safely participate in practical class activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the Subject Coordinator and the Disability Liaison Unit. http://www.services.unimelb.edu.au/disability/															
Coordinator:	Dr Alex Gentle															
Contact:	Email: agentle@unimelb.edu.au (mailto:agentle@unimelb.edu.au)															
Subject Overview:	<p>This subject is only available to students enrolled in the Bachelor of Optometry. Enrolment into this subject is only by invitation of the Head of Department.</p> <p>This subject will require the student to apply knowledge gained in the prerequisite second year level subjects (531-201/531-202 and 655-201 Anatomy and Histology of the Eye) to understanding the changes which occur in the ocular tissues during eye disease. Specific topics to be covered will include ocular disease processes associated with cell injury and cell death, the immune response and allergy, development and ageing, the nervous system, surgical and non-surgical trauma, neoplasia, glaucoma, and the circulatory, haemopoetic and endocrine systems. Throughout the subject an emphasis will also be placed on the student developing a good understanding of the pathogenesis of ocular diseases.</p>															
Objectives:	Upon completion of this subject students should understand the general principles of inflammation and wound healing as applied to ocular tissues. In addition, students should understand the process of tissue damage secondary to traumatic or infectious insult, along with the different aspects of the immune response. Students should be able to identify and interpret the light and electron microscopic changes that occur within ocular tissues during different disease processes.															

Assessment:	A 35-minute slide examination based on practical work held during the semester (20%); a 2-hour written examination in the examination period (80%). Hurdle requirement: students must submit a satisfactorily completed computer-aided learning worksheet following each practical class.
Prescribed Texts:	None
Recommended Texts:	# M Yanoff and J W Sassani, Ocular Pathology with DVD ROM 6th Ed, Mosby, 2009 (or 5th Ed)
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
Notes:	This subject is only available to students enrolled in the Bachelor of Optometry. Enrolment into this subject is only by invitation of the Head of Department.
Related Course(s):	Bachelor of Optometry
Related Majors/Minors/ Specialisations:	Science credit subjects* for pre-2008 BSc, BAsC and combined degree science courses Vision Science (pre-2008 Bachelor of Science)