

655-201 Anatomy & Histology of the Eye

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 32 lectures/reviews and 24 hours of practical and tutorial classes Total Time Commitment: 120 hours
Prerequisites:	Biology 650-141 and 650-142 (prior to 2004: 600-141 and 600-142).
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Credit cannot be obtained for both 655-201 and 655-211 (prior to 2004).
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Coordinator:	Ms A Jaworski
Subject Overview:	<p>This subject covers the detailed topographical anatomy and histology of the eye, orbit, and visual pathways. Upon completion of this subject, students should:</p> <ul style="list-style-type: none"> # comprehend the terminology of histology and cytology; # be able to interpret the light and electron microscopic appearance of cells and tissues; # should have a firm understanding of the: <ul style="list-style-type: none"> - eye, orbit and visual pathways; - embryological development of the eye; and - neuroanatomy of the visual pathway. <p>The initial lectures will provide an introduction to histology and will form the knowledge base for the subsequent lectures and practicals that focus on the eye, orbit and visual pathway. This knowledge will enable students to appreciate normal ocular anatomy and how structures are altered during disease. Students should also:</p> <ul style="list-style-type: none"> # develop the communications skills (written and oral) necessary to describe the structures of the eye; # be able to examine the ocular structures using clinical, anatomical and microscopic examination techniques; # understand the importance of one's own observations and the scientific basis of our current knowledge on ocular anatomy and histology; and # appreciate the need for continuing independent learning and the importance of keeping pace with scientific advances.
Assessment:	Ongoing assessment of practical work during the semester (20%); a 2-hour written examination in the examination period (80%).
Prescribed Texts:	None
Recommended Texts:	Wolff's Anatomy of the Eye and Orbit (A J Bron, R C Tripathi and B J Tripathi), 8th edn, Chapman and Hall, 1997 (or later edition)
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:	Students enrolled in the BSc (pre-2008 BSc), BAsC or a combined BSc course will receive science credit for the completion of this subject.
Related Course(s):	Bachelor of Optometry