ANAT20005 Anatomy & Histology of the Eye

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Summer Term, Parkville - Taught on campus. Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 26 lectures and 22 hours of practical and tutorial classes during the semester Total Time Commitment: Estimated total time commitment of 120 hours
Prerequisites:	Both **Subject** / **Study Period Commencement:** / **Credit Points:** BIOL10004 Biology of Cells and Organisms — Semester 1 — 12.50 BIOL10005 Genetics & The Evolution of Life — Semester 2 — 12.50 Or both **Subject** / **Study Period Commencement:** / **Credit Points:** BIOL10002 Biomolecules and Cells — Semester 1 — 12.50 BIOL10003 Genes and Environment — Semester 2 — 12.50
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Credit cannot be gained for this subject and # 655-211 Ocular Anatomy & Histology (prior to 2004)
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 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 Bang Bui, Ms Alexandra Jaworski, Prof Trichur Vidyasagar
Contact:	**Email: bvb@unimelb.edu.au (mailto:bvb@unimelb.edu.au)** **Email: aaja@unimelb.edu.au (mailto:aaja@unimelb.edu.au)** **Email: trv@unimelb.edu.au (mailto:trv@unimelb.edu.au)**
Subject Overview:	This subject covers the detailed topographical anatomy and histology of the eye, orbit, and visual pathways. 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.
Objectives:	Upon completion of this subject, students should: # comprehend the terminology of histology and cytology;

	# be able to interpret the light and electron microscopic appearance of cells and tissues; # have a firm understanding of the eye, orbit and visual pathways; embryological development of the eye; and neuroanatomy of the visual pathway.
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:	# A J Bron, R C Tripathi and B J Tripathi, Wolff's Anatomy of the Eye and Orbit 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
Generic Skills:	Students should: # 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.
Notes:	This subject is only available to students enrolled in the Bachelor of Optometry. Enrolment into this subject in the summer semester is only by invitation of the Head of Department.
Related Course(s):	Bachelor of Optometry