ANAT20005 Anatomy & Histology of the Eye

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: 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 of **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 of: **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:	Students may only gain credit for one of # 655-201 Anatomy and Histology of the Eye # 655-211 Ocular Anatomy & Histology (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:	Prof Sagar Vidyasagar
Contact:	**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; # should 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 potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Arts (https://handbook.unimelb.edu.au/view/2010/B-ARTS)** # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2010/B-COM)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2010/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2010/B-MUS)** You should visit **learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)** and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
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 available for science credit to students enrolled in the BSc (pre-2008 degree), BASc or a combined BSc course.
Related Course(s):	Bachelor of Optometry