655-461 Assessment of Ocular Disease

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: 13 one-hour lectures, 10 one-hour tutorials and 12 two-hour practicals Total Time Commitment: 120 hours
Prerequisites:	Optometry 655-321; 655-341; 655-028 or 655-328; 655-330 or 655-332; 655-351 or 655-359; and Microbiology 526-306.
Corequisites:	Optometry 655-430, 655-441 and 655-451.
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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:	Dr M Pianta; Dr A McKendrick
Subject Overview:	This subject is designed to provide students with an understanding of how optometrists interact with assessment techniques in the real world of clinical practice, including how clinicians use information gained from these techniques to make decisions about patient management. Students will also develop skills in obtaining, recording, and interpreting the results of these techniques. The subject will detail five broad areas of assessment: ocular, functional, systemic, structural and neurological. Ocular assessment will consider binocular indirect ophthalmoscopy, fundus lenses, gonioscopy and scleral indentation. Functional assessment will address visual field testing, electrodiagnostic methods and lacrimal system procedures. Systemic assessment will consider issues such as the investigation of blood constituents (eg. glucose, FBC, ESR etc.) and blood flow (blood pressure and flow patency). Structural assessment will examine medical imaging technologies (X-ray, CT-scan, MRI) especially as they relate to the eye and visual pathways. In addition, advanced methods for ocular evaluation such as scanning laser ophthalmoscopy, ocular coherence tomography and ultrasound will be described. The blood-retina barrier and methods for its evaluation will also be detailed and discussed. Neurological assessment will discuss pupil and cranial nerve investigation.
Assessment:	Ongoing skills assessment throughout the semester (20%); a portfolio consisting of two pieces of written group work (1750 words each), one piece of individual written work (1750 words) and an individual written reflection on how learning in this subject will impact on clinical practice (500 words) due throughout the semester (30%); a 2-hour written examination in the examination period (50%). Satisfactory completion of all assessment components is necessary to pass the subject.
Prescribed Texts:	None
Recommended Texts:	**Atlas of Primary Eyecare Procedures** (Casser et al), 2nd edn, 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:	This subject is only available to Bachelor of Optometry students.

Related Course(s):	Bachelor of Optometry