

655-351 Ophthalmic Lenses and Dispensing

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 24 lectures (two per week), 24 hours of practical classes and 12 hours of tutorial/computer-aided learning (CAL) Total Time Commitment: 120 hours total time commitment.
Prerequisites:	655-210
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Students may only gain credit for one of 655-351 or 655-359 (prior to 2007).
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 Alexandra Jaworski, Prof Neville Mcbrien
Subject Overview:	This subject will apply the optics knowledge and skills obtained in the prerequisite subjects to the design, prescription and dispensing of ophthalmic lenses. On completion of this subject, students will have a detailed understanding of the optics and performance characteristics of ophthalmic lenses and devices. In addition, students will be familiar with the properties of ophthalmic optical materials and the indications for their use. Students will also be able to dispense prescriptions and check dispensed visual appliances to Australian standards. The subject will cover the properties of ophthalmic materials; the optics and design of bifocal and multifocal lenses relating to dispensed spectacle corrections; magnification effects, low vision aids; absorptive lenses; safety lenses; ophthalmic dispensing techniques; frame design, materials and adjustments; and dispensing tolerances, prescription verification and vertometry. The practical classes will introduce students to the processes of ophthalmic dispensing. Computer-aided learning will include a series of ophthalmic problems that must be completed during the semester.
Objectives:	.
Assessment:	Computer-aided learning problems completed throughout the semester (20%); a 100-minute practical examination in ophthalmic lenses and dispensing in the examination period (20%); a 2-hour written examination in the examination period (60%). Satisfactory completion of all three assessment components is necessary to pass the subject
Prescribed Texts:	M Jalie, Ophthalmic Lenses and Dispensing, Butterworths, 2003 (or later edition). An additional reference list will be provided
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/2009/D09) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2009/F04) # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2009/A04) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2009/M05)

	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
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
Related Majors/Minors/ Specialisations:	Vision Science