

OPTO30006 Ophthalmic Dispensing Practice

Credit Points:	12.50						
Level:	3 (Undergraduate)						
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Semester 2, Parkville - 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: Estimated total time commitment of 120 hours						
Prerequisites:	Completion of <table border="1" data-bbox="389 577 1485 725"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>OPTO20001 Optical Design and Ophthalmic Metrology</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	OPTO20001 Optical Design and Ophthalmic Metrology	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:					
OPTO20001 Optical Design and Ophthalmic Metrology	Semester 2	12.50					
Corequisites:	None						
Recommended Background Knowledge:	None						
Non Allowed Subjects:	Students may only gain credit for one of # 655-351 Ophthalmic Lenses and Dispensing # 655-359 Ophthalmic Lenses and Dispensing (prior to 2008)						
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 laboratory 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:	Ms Alexandra Jaworski, Prof Neville McBrien						
Contact:	Email: nmcmbrien@unimelb.edu.au (mailto:nmcmbrien@unimelb.edu.au) Email: aaja@unimelb.edu.au (mailto:aaja@unimelb.edu.au)						
Subject Overview:	This subject will apply the optical design knowledge and skills obtained in the prerequisite subjects to the design, function, prescribing and dispensing of ophthalmic spectacle frames and lenses. On completion of this subject, students will have a detailed understanding of the manufacture and design of spectacle frames and how to adjust and repair plastic and metal frames. Students should gain a practical working knowledge of the optical performance characteristics of ophthalmic lenses. In addition, students should be made familiar with the properties of lens materials and the indications for their use. Students should also gain the knowledge to dispense both simple and complex prescriptions and check dispensed spectacles and lenses to required standards.						
Objectives:	On completion of this subject students should have a comprehensive knowledge of the properties of ophthalmic frame and lens materials; the optics and design of multifocal lenses, in particular progressive addition lenses, relating both to their design and wearer performance. Students should have an understanding of magnification effects of lenses, and the properties of absorptive lenses; safety lenses; and modern ophthalmic dispensing instruments and techniques. The practical classes will familiarise students with the practical aspects of ophthalmic dispensing. Computer-aided learning will include a series of ophthalmic problems that are completed during the semester.						

Assessment:	Four 5-minute multiple choice tests conducted during semester (5%); Computer-aided learning (CAL) problems, including two short written assignments (200 words each), completed throughout the semester (5%); a 100-minute practical examination in ophthalmic lenses and dispensing in the examination period (20%); a 2-hour written examination in the examination period (70%). Satisfactory completion of the CALs (minimum mark required 75%) and the final exam is necessary to pass the subject
Prescribed Texts:	W. Brooks & I M Borish, System for Ophthalmic Dispensing, 3rd Ed 2007 An additional reference list will be provided
Recommended Texts:	M Jalie, Ophthalmic Lenses and Dispensing, Butterworths, 2008.
Breadth Options:	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2011/B-ARTS) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2011/B-COM) # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2011/B-ENVS) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2011/B-MUS) <p>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.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Notes:	<p>This subject is available for science credit to students enrolled in the BSc (pre-2008 degree), BAsC or a combined BSc course.</p> <p>This subject was previously known as 655-351 Ophthalmic Lenses and Dispensing (prior to 2011)</p>
Related Course(s):	Bachelor of Optometry
Related Majors/Minors/Specialisations:	Science credit subjects* for pre-2008 BSc, BAsC and combined degree science courses Vision Science (pre-2008 Bachelor of Science)