

Subject Description Form

Subject Code	SO4014
Subject Title	Contact Lens Practice 2
Credit Value	3
Level	4
Pre-requisite	Students are required to have attempted Ophthalmic Optics and Dispensing 2 (SO3002) and Contact Lens Practice 1 (SO4013)
Objectives	To help students to learn essential knowledge and skills to prepare them to become independent, professional and ethical contact lens practitioners
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> a. identify and explain factors affecting contact lens wear and the performance of rigid lens on the eye b. recommend and justify recommendations of appropriate types (including design/ material/modality) of contact lenses for vision correction, including astigmatism, presbyopia, extended wear, keratoconus, and for cosmetic reasons. c. diagnose common contact lens-related problems, including issues related to fitting, lens parameters, and non-compliance, and synthesize information learned to develop appropriate management protocols. d. discuss possible sources of contamination, areas of non-compliance, and possible consequences of non-compliance e. conduct appropriate ocular and lens assessments (eg. slit lamp biomicroscopy, soft/RGP lens verification and fitting, refraction) to ensure safe contact lens wear
Subject Synopsis/ Indicative Syllabus	<p>Optics of contact lenses (RGP) Factors affecting lens wear on eye (RGP) Rigid gas permeable lens fitting and assessment Astigmatism and contact lenses (soft & RGP) Complications of contact lens wear – ocular & lens (deposits) Extended wear lenses Cosmetic contact lenses/prosthetic eye Contact lenses for presbyopes and keratoconus</p>

<p>Teaching/Learning Methodology</p>	<p>Lectures will be used to provide factual information, to introduce and explore key issues of main topics in contact lens practice. They will also be the primary forum for staff to encourage critical thinking using cases, examples and evidence from the literature and also for students and staff to explore ideas.</p> <p>Tutorials will be the main platform for students to play an active role in their learning by raising questions to clarify and expand what they learn from lectures and notes. Students will be also be given cases to encourage discussion and/or debate, clinical reasoning, critical thinking and application of theory to practice. They will provide the opportunity for students to learn to take responsibility for their own learning.</p> <p>Practical sessions will give students the opportunity to develop practical skills and techniques relevant to contact lens practice. They will also allow students to work with each other and to experiment, explore, discuss, reflect and draw appropriate conclusions from their work.</p>																																								
<p>Assessment Methods in Alignment with Intended Learning Outcomes</p>	<table border="1" data-bbox="480 887 1428 1283"> <thead> <tr> <th rowspan="2">Specific assessment methods/tasks</th> <th rowspan="2">% weighting</th> <th colspan="5">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> <th>d</th> <th>e</th> </tr> </thead> <tbody> <tr> <td>1. Coursework (quizzes, class discussion)</td> <td>50</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>2. Practical</td> <td>20</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>3. Examination</td> <td>30</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Total</td> <td>100</td> <td colspan="5"></td> </tr> </tbody> </table> <p>Students must pass all three elements of assessment to pass the subject</p> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Quizzes will be conducted to encourage students to learn as they progress. MCQ and/or short-answer questions used to assess students' mastery of details and specific knowledge.</p> <p>Class discussion will encourage students to discuss and reflect on issues or ideas about e-learning topics and cases</p> <p>Practical examination for students to demonstrate their competency on practical skills and techniques relevant to contact lens practice.</p> <p>Final examination will be conducted to allow students to demonstrate a thorough understanding of the subject</p>	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					a	b	c	d	e	1. Coursework (quizzes, class discussion)	50	✓	✓	✓	✓	✓	2. Practical	20	✓		✓	✓		3. Examination	30	✓	✓	✓	✓	✓	Total	100					
Specific assessment methods/tasks	% weighting			Intended subject learning outcomes to be assessed (Please tick as appropriate)																																					
		a	b	c	d	e																																			
1. Coursework (quizzes, class discussion)	50	✓	✓	✓	✓	✓																																			
2. Practical	20	✓		✓	✓																																				
3. Examination	30	✓	✓	✓	✓	✓																																			
Total	100																																								

Student Study Effort Required	Class contact:	
	▪ Lecture	26 Hrs
	▪ Laboratory	39 Hrs
	▪ Tutorial	5 Hrs
	Other student study effort:	
	▪ Self directed learning	50 Hrs
	Total student study effort	120 Hrs
Reading List and References	<p><u>Prescribed Reading</u> Bennett ES, Hom MM (eds). Manual of gas permeable contact lenses. 2nd ed, St. Louis, Butterworth-Heinemann, 2004. Douthwaite, William A. Contact Lens Optics and Lens Design. 3rd ed. Elsevier Butterworth-Heinemann, Edinburgh, 2006. Efron N. Contact lens complications. 3rd ed. London, Butterworth Heinemann, 2012 Gasson A, Morris J. The Contact Lens Manual. A Practical Guide to Fitting. Butterworth-Heinemann, Oxford. 2003. Tomlinson, A. Complications of Contact Lens Wear. St. Louis, Mosby, 1992.</p> <p><u>Recommended Reading</u> Phillips AJ, Speedwell L. Contact Lenses. 5th ed, Butterworth-Heinemann, 2007.</p>	