



UNSW
THE UNIVERSITY OF NEW SOUTH WALES

Faculty of Science

School of Optometry and Vision Science

OPTM7104

Advanced Contact Lens Studies

Term 2, 2019

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Faculty of Science - Course Outline

1. Information about the Course

Year of Delivery	2019			
Course Code	OPTM7104			
Course Name	Advanced Contact Lens Studies			
Academic Unit	School of Optometry and Vision Science			
Level of Course	Postgraduate			
Units of Credit	6UOC			
Term(s) Offered	Term 2			
Assumed Knowledge, Prerequisites or Co-requisites	Material presented in this course assumes prior contact lens studies, and some clinical experience in fitting and managing contact lens patients.			
Hours per Week	Approximately 11 hours per week			
Number of Weeks	10			
Commencement Date	3 rd June 2019			
Summary of Course Structure (for details see 'Course Schedule')				
Component	HPW	Time	Day	Location
Online, 8 weeks (one topic per week)	10	Any	3 rd June to 9 th August	Online self study (Moodle)
Introductory day (includes Workshop 1)	7	9:30am to 4:30pm	Saturday 8 th June	Rupert Myers Building (RMB)
Workshop 2: Topography/OCT	3	TBA	Saturday 15 th June	RMB
Workshop 3: Orthokeratology	3	TBA	Saturday 29 th June	RMB
Workshop 4: Keratoconus	7	TBA	TBA	TheEyeCompany
Workshop 5: Tear film examination	3	TBA	Saturday 27 th July	RMB
Workshop 6: Presbyopia	3	TBA	Saturday 3 rd August	RMB
TOTAL	13 HPW on average			

2. Staff Involved in the Course

Staff	Role	Name	Contact Details	Consultation Times
Course Convenor		Professor Helen Swarbrick	h.swarbrick@unsw.edu.au	Email for appointment
Additional Teaching Staff	Lecturers & Facilitators	Various		
	Tutors & Demonstrators	Various		
	Technical & Laboratory Staff	NA		
	Other Support Staff	Fiona Anderson	f.anderson@unsw.edu.au	Email for appointment

3. Course Details

Course Description (Handbook Entry)	The 2019 course is conducted via an on-line Moodle platform over 8 weeks during Term 3, as well as one full-day introductory face-to-face session, and 5 face-to-face workshop sessions. Topics covered in the 2019 course include: rigid contact lenses theory and practice, corneal imaging including topography and OCT, myopia control, orthokeratology, keratoconus, contact lens complications and management, contact lens discomfort, tear film examination techniques, and contact lenses for presbyopia.	
Course Aims	The overall aims of the course are to introduce experienced contact lens practitioners to advanced areas of contact lens theory and practice, and to provide updates on recent research and other developments in the contact lens and related fields.	
Student Learning Outcomes	<ul style="list-style-type: none"> ▪ An appreciation of advanced topics in contact lens theory and practice ▪ Motivation and tools to continue to update learning in contact lenses ▪ Familiarity with information retrieval systems and confidence in their application in the contact lens and related fields ▪ Experience in critical interpretation of the contact lens literature, and preparation of a detailed review on one of the topics presented during the course. 	
Graduate Attributes Developed in this Course		
Science Graduate Attributes	Select the level of FOCUS 0 = NO FOCUS 1 = MINIMAL 2 = MINOR 3 = MAJOR	Activities / Assessment
Research, inquiry and analytical thinking abilities	3	Activities and assessment tasks in this course involve literature search and critical reading of the literature. In addition, participants are required to reflect on their use of evidence in their optometric practice and in other aspects of life, in making judgments and decisions.
Capability and motivation for intellectual development	3	Intellectual development is implicit in the assessment tasks of this course, in which the participant will look for and assess evidence, and will present and debate his/her opinions of the evidence
Ethical, social and professional understanding	3	This course raises the participant's awareness of the ethical issues and social implications in the use of evidence to support claims and techniques.
Communication	3	Assessment tasks involve online discussion.
Teamwork, collaborative and management skills	2	Participants will be involved in regular online discussion with their colleagues on questions posed by the course convener.
Information literacy	3	Participants will need to search the literature for types of evidence, and will learn to critique published articles presenting evidence.

Major Topics (Syllabus Outline)	Topics covered in the 2019 course include: rigid contact lenses theory and practice, corneal imaging including topography and OCT, myopia control, orthokeratology, keratoconus, contact lens complications and management, contact lens discomfort, tear film examination techniques, and contact lenses for presbyopia.
Relationship to Other Courses within the Program	The course precedes, and is a pre-requisite of, OPTM7205 Specialty Contact Lens Studies.

4. Rationale and Strategies Underpinning the Course

Teaching Strategies	<p>The course is structured to provide an inclusive and flexible mix of on-line and practical teaching, with an emphasis on group discussion and the development of critical thinking. The 8 program topics will be presented by a series of expert guest presenters over 8 weeks during the term. The on-line Resources and Activities for each topic include:</p> <ol style="list-style-type: none"> 1. Topic abstract 2. Between one and three online presentations (approximately 50 minutes in total length) 3. Topic references 4. Discussion questions to further explore aspects of the topic. <p>Six practical face-to-face workshops related to specific program topics will assume a basic competence in contact lens handling, fitting assessment and awareness of safety issues. Assessment will be based on responses to the Discussion questions as well as an assignment to demonstrate information literacy, organizational and written presentation skills, and independent critical thinking.</p>
Rationale for learning and teaching in this course	<p>Most of the resources in this course are prepared by presenters with particular expertise in the topic area. Questions and discussion amongst students are actively encouraged to stimulate critical thinking on the topic and related areas. Practical workshops will also be conducted where appropriate to introduce students to practical aspects of some of the concepts covered in the on-line program. The assignment is designed to allow students to explore and gain expertise in areas of their choice and interest in contact lenses, and to develop skills in interpretation and organisation of material, and effective presentation in written form. The assignment also encourages the development of confidence in information retrieval and management systems to support lifelong learning after completion of the course.</p>

5. Course Schedule

Note: Presenters and dates are yet to be confirmed.

Presenter	Topic	Moodle Release Dates	Workshop Dates
Prof Helen Swarbrick	Introduction, course outline, schedule for workshops and assessments	3 – 8 June	Nil
Prof Helen Swarbrick	Introductory rigid lens topics	8 June	Saturday 8 June: Workshop 1 on Rigid contact lens fitting
Dr Vinod Maseedupally	Topic 1: Corneal Imaging	9 – 15 June	Saturday 15 June: Workshop 2 on Corneal topography and OCT
Prof Padmaja Sankaridurg	Topic 2: Myopia Control	16 – 22 June	Nil
Dr Pauline Kang	Topic 3: Orthokeratology: Myopia Correction and Control	23 – 29 June	Saturday 29 June: Workshop 3 on Orthokeratology
Ms Margaret Lam	Topic 4: Keratoconus	30 June – 6 July	Site visit to TheEyecareCompany for Workshop 4 on Keratoconus
Prof Fiona Stapleton	Topic 5: Complications and Management	7 – 13 July	Nil
Assoc Prof Isabelle Jalbert	Topic 6: Contact Lens Discomfort	14 – 20 July	Nil
Dr Maria Markoulli	Topic 7: Tear Film Examination	21 – 27 July	Saturday 27 July: Workshop 5 on Tear film examination
Prof Eric Papas	Topic 8: Presbyopia	28 July – 3 August	Saturday 3 August: Workshop 6 on Presbyopia
	Assignment submission	9 August	
	Theory, practical and oral examinations	10 August	

6. Assessment Tasks and Feedback

Task	Knowledge & abilities assessed	Assessment Criteria	% of total mark	Date of		Feedback		
				Release	Submission	WHO	WHEN*	HOW
Submission of responses to online discussion questions	See section information under Week 1 Moodle site	See section information under Week 1 Moodle site	15%	Starting Week 1	Weekly	Prof Swarbrick	Term end	Mark
Written assignment	See section information under Week 1 Moodle site	See section information under Week 1 Moodle site	35%	Week 1	9 th August	Prof Swarbrick	Term end	Mark
End-of term examination, including: <ul style="list-style-type: none"> Theory Practical Oral 	<ul style="list-style-type: none"> Understanding of advanced contact lens topics Clinical skills in handling, inserting and removing rigid contact lenses, and assessing aspects of rigid contact lens fitting Clinical problem-solving and understanding of clinical concepts in advanced contact lenses 	<ul style="list-style-type: none"> * Correct answers to contact lens-related multiple choice questions, demonstrating understanding of various advanced topics * Demonstrated competence in contact lens clinical skills, particularly in relation to rigid contact lenses * Awareness of safety issues * Ability to correctly describe rigid contact lens fitting characteristics on-eye * Ability to interpret and discuss advanced contact lens-related clinical scenarios * Appropriate clinical reasoning in relation to advanced contact lens topics 	50%	Week 1	10 th August	Prof Swarbrick	Term end	Final marks will be emailed to students

PLEASE NOTE: In order to pass the course OPTM7104 Advanced Contact Lens Studies, students must achieve a pass mark (a minimum of 25 out of 50) in the examinations at the end of the course (theory, practical and oral). In the event that the combined examination mark is less than 25/50, the total mark assigned for this course will be adjusted to a percentage equivalent to the combined examination mark.

7. Additional Resources and Support

Text Books	There are no required texts. A list of recommended reference books will be distributed at the commencement of the course.
Course Manual	NA
Required Readings	See Resources and Activities under each Week of the Moodle site
Additional Readings	Students will be expected to access relevant papers in the contact lens literature, and other readings as indicated, as part of their assignments.
Recommended Internet Sites	Nil
Societies	Relevant local societies include the Cornea and Contact Lens Society of Australia, and the Orthokeratology Society of Oceania.

8. Required Equipment, Training and Enabling Skills

Equipment Required	No equipment required
Enabling Skills - training which may be required to complete this course	Note that, while this course has no formal prerequisites, it is important that you have the ability to search for information via the UNSW library and other resources. To prepare yourself for this, you should take the ELISE course offered by the library at http://subjectguides.library.unsw.edu.au/elise This is a brief online introduction to study resources at UNSW, including literature search. Students are strongly encouraged to complete the ELISE course or similar information literacy courses (e.g. LILT, BIOS) offered by UNSW.

9. Course Evaluation and Development

Mechanisms of Review	Last Review Date	Comments or Changes Resulting from Reviews
Major Course Review	2007 2011 2015 2017	<p>This course and the related specialty contact lens course, previously called OPTM7104 Advanced Contact Lenses Studies 1 and OPTM7204 Advanced Contact Lens Studies 2, underwent a major detailed review through 2007, based on discussions with current and previous students, and other experts in the field. The courses were restructured to emphasise the acquisition of advanced skills and knowledge in contact lenses in the first course. This would be followed by a new course OPTM7205 Specialty Contact Lenses, which incorporated clinical placements of students in specialty contact lens practices around Australia. The preliminary course is a prerequisite for the specialty course. The concept was trialled in 2007 and was favourably received by the students and by the clinicians who hosted the students in their practices. This concept is now embedded in the postgraduate course design, and has been used successfully since 2008.</p> <p>Given the variable competencies of students enrolling in the course, a hurdle for entry into OPTM7104 was introduced in 2011 to maintain the advanced level and educational rigour of the course.</p> <p>In 2015 an on-line version of the course based on a Moodle platform, supplemented by face-to-face workshops, was trialled, repeated in 2017 and 2018, and is presented again in 2019.</p> <p>Since introduction of the new BOptom/MClinOptom program in 2017, students who do not appear to have adequate skills to tackle Advanced Contact Lens Studies are encouraged to enroll firstly in OPTM6411 Contact Lenses to develop their basic contact lens knowledge and skills. To allow new students to follow a staged postgraduate contact lens program, OPTM7104 has moved to T2, to follow OPTM6411 in T1. OPTM7205 can then be taken in the following T1.</p>
MyExperience	2017	The course was evaluated under the MyExperience system in S2 2017. Feedback on this course was positive. All students who responded to the survey (4 out of 7) were satisfied with the course. Student comments have resulted in the provision of pdf versions of lectures to allow note taking. Where possible, the length of workshop sessions was extended in 2018 and 2019 to optimize the learning experience.
Other	2013	In 2013 the structure of the course has changed so that modules are run during the week rather than on weekends, on request from the Course Coordinator.

10. Administration Matters

Note that late submission of assignments will result in significant reductions in your mark, and possibly failure of the course (outlined below – “Assignment Submissions”). In some instances, it may be appropriate for you to apply for special consideration for absence from a scheduled assessment task, or other failure to complete an assessment task. The application procedure is outlined below (“Assessment Procedures”). This procedure must be followed, and late applications are not considered.

<p>Expectations of Students</p>	<p>Since this is an online course, it is essential that you are able to access course materials, and communicate with colleagues and lecturers online. In order to participate in this course, you must have good quality internet access for the full course duration.</p> <p>In addition, the University uses email as an official form of communication for students. All UNSW students have their own email account. The School of Optometry and Vision Science will also make use of this form of communication.</p> <p>It is extremely important that you know how to use your Unimail and ensure that you check it regularly. You are advised to link your official UNSW email address to your habitual email address (e.g. hotmail). You will miss out on vital information from the School and University if you do not check your Unimail.</p> <p>For more information or if you are having connection or access problems, see: IT Service Centre www.it.unsw.edu.au/ Telephone: 02 9385 1333 Email: itservicecentre@unsw.edu.au</p>
<p>Assignment Submissions</p>	<p>Assignments should be submitted by email to Helen Swarbrick (h.swarbrick@unsw.edu.au) by the due date.</p> <p>Marked assignments will be returned by email, or in hard copy form.</p> <p>The School Policy on Submission of Assignments (including penalties for late assignments) is available from the School office (RMB3.003) and the School website at: https://www.optometry.unsw.edu.au/current/policies-and-procedures-0</p>
<p><u>Occupational Health and Safety</u></p>	<p>Information on relevant policies and expectations is provided during General Safety Induction training. A copy of the Induction booklet distributed at this training is available from the School of Optometry and Vision Science office (RMB3.003) and the School website at: http://www.optometry.unsw.edu.au/whs/work-health-and-safety</p> <p>Work related discomfort can occur with some clinical procedures, but can be prevented and/or managed. A video “Reducing your risk of work-related discomfort in the consultation room” is available on UNSWTV on the School of Optometry and Vision Science page https://thebox.unsw.edu.au/video/reducing-the-risk-of-work-related-discomfort-in-the-consultation-room1.</p> <p>If you have any questions about work-related discomfort, speak with your clinic supervisor or email Dr Jennifer Long at j.long@unsw.edu.au</p>
<p>Assessment Procedures</p> <p>UNSW Assessment Policy</p>	<p style="text-align: center;">SCHOOL OF OPTOMETRY AND VISION SCIENCE, UNSW SUPPLEMENTARY ASSESSMENT INFORMATION, 2019</p> <p>Postgraduate courses include a range of assessment tasks, such as essays, learning journals, presentations and examinations, which may take place during and/or at the end of the course. The following refers to supplementary assessment that in some cases may be granted once the results of all assessments for the course are known.</p> <p>There are two circumstances whereby a supplementary examination may be granted:</p> <p>COMPETENCY IN DOUBT Students whose competency level is in doubt after the final assessment(s) may be eligible to sit a supplementary assessment in the course(s) concerned.</p> <p>SPECIAL CONSIDERATION On some occasions, sickness, misadventure or other circumstances beyond your control may prevent you from completing a course requirement, such as attending a formal end of term examination. In these cases you may apply for Special Consideration. To do this you must make formal application for Special Consideration for the course/s affected as soon as practicable after the problem occurs and within three working days of the assessment to which it refers. The application must be made via Online Services in myUNSW. Log into myUNSW and go to My</p>

	<p>Student Profile tab > My Student Services channel > Online Services > Special Consideration. Submit the application (including supporting documentation) to UNSW Student Central.</p> <p>Special Consideration - Pre-Existing Conditions Many conditions that are the subject of special consideration applications are pre-existing and could be used repeatedly to gain examinations at a later date. These include conditions aggravated or triggered by the stress of the assessment. With the help of your doctor and/or other health care practitioners, steps can be taken ahead of the assessment time to minimise or avoid the consequences of these conditions. When applying for special consideration on the basis of a condition that was already known to be a problem for you and which you have already used as the basis for a special consideration application, the School will require you to provide a certificate that details the preventative measures taken and why they were not successful. This will then be taken into account when considering the application.</p> <p>Absence from a final examination is a serious matter, normally resulting in a Fail (FL) grade. If you are medically unfit to attend an examination, YOU MUST CONTACT THE SCHOOL DIRECTLY ON THE DAY OF THE EXAMINATION TO ADVISE OF THIS (telephone 02 9385 4639, email: optometry@unsw.edu.au). You must also submit a Request for Consideration application as detailed above.</p> <p>You are reminded that supplementary assessments are not granted lightly or automatically. Eligibility for supplementary assessments, for both of the above situations, is determined by the School Examination Committee, which meets soon after the formal examination period has ended. You cannot “apply” for a supplementary assessment, so please do not contact the School or Course Controllers to request a supplementary assessment.</p> <p>Dates for supplementary assessment will be set by the course convenor.</p> <p>If additional assessment is not scheduled, this does NOT indicate whether or not a student has passed or failed the course. Results will be received in the usual way. Please do not contact the School in this regard.</p> <p style="text-align: right;">School of Optometry and Vision Science, UNSW, TBA</p>		
<p>Equity and Diversity</p>	<p>Those students who have a disability that requires some adjustment in their teaching or learning environment are encouraged to discuss their study needs with the course Convenor prior to, or at the commencement of, their course, or with the Equity Officer (Disability) in the Equity and Diversity Unit (9385 4734 or http://www.studentequity.unsw.edu.au/).</p> <p>Issues to be discussed may include access to materials, signers or note-takers, the provision of services and additional exam and assessment arrangements. Early notification is essential to enable any necessary adjustments to be made.</p>		
<p>Student Complaint Procedure</p>	<p>School Contact</p> <p>Prof Helen Swarbrick School Grievance Officer h.swarbrick@unsw.edu.au Tel: 9385 4373</p>	<p>Faculty Contact</p> <p>A/Prof Janelle Wheat Deputy Dean (Education) j.wheat@unsw.edu.au Tel: 9385 0752 Or Dr Gavin Edwards Associate Dean (Academic Programs) g.edwards@unsw.edu.au Tel: 9385 4652</p>	<p>University Contact</p> <p>Student Integrity Unit (SIU) Telephone 02 9385 8515, email studentcomplaints@unsw.edu.au</p>
<p>University Counselling and Psychological Services</p>	<p>Information on Counselling and Psychological Services [CAPS] is available at: https://www.counselling.unsw.edu.au/ Tel: 9385 5418</p>		

11. UNSW Academic Honesty and Plagiarism

What is Plagiarism?

Plagiarism is the presentation of the thoughts or work of another as one's own.

*Examples include:

- direct duplication of the thoughts or work of another, including by copying material, ideas or concepts from a book, article, report or other written document (whether published or unpublished), composition, artwork, design, drawing, circuitry, computer program or software, web site, Internet, other electronic resource, or another person's assignment without appropriate acknowledgement;
- paraphrasing another person's work with very minor changes keeping the meaning, form and/or progression of ideas of the original;
- piecing together sections of the work of others into a new whole;
- presenting an assessment item as independent work when it has been produced in whole or part in collusion with other people, for example, another student or a tutor; and
- claiming credit for a proportion a work contributed to a group assessment item that is greater than that actually contributed.†

For the purposes of this policy, submitting an assessment item that has already been submitted for academic credit elsewhere may be considered plagiarism.

Knowingly permitting your work to be copied by another student may also be considered to be plagiarism.

Note that an assessment item produced in oral, not written, form, or involving live presentation, may similarly contain plagiarised material.

The inclusion of the thoughts or work of another with attribution appropriate to the academic discipline does *not* amount to plagiarism.

The Learning Centre website is main repository for resources for staff and students on plagiarism and academic honesty. These resources can be located via:

www.lc.unsw.edu.au/plagiarism

The Learning Centre also provides substantial educational written materials, workshops, and tutorials to aid students, for example, in:

- correct referencing practices;
- paraphrasing, summarising, essay writing, and time management;
- appropriate use of, and attribution for, a range of materials including text, images, formulae and concepts.

Individual assistance is available on request from The Learning Centre.

Students are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting, and the proper referencing of sources in preparing all assessment items.

* Based on that proposed to the University of Newcastle by the St James Ethics Centre. Used with kind permission from the University of Newcastle

† Adapted with kind permission from the University of Melbourne