



Course Outline

OPTM7612

Myopia Management

Optometry and Vision Science

Faculty of Science

[T2, 2019]

1. Staff

Position	Name	Email	Consultation times and locations
Course Convenor	Dr Pauline Kang	p.kang@unsw.edu.au	Via email or discussion board
Lecturer	TBC	TBC	Via email
Lecturer	TBC	TBC	Via email
Technical & Laboratory Staff	Dr. Dale Larden	D.Larden@unsw.edu.au	Via email
Administration	Ms Fiona Anderson	f.anderson@unsw.edu.au	Via email

2. Course information

Units of credit: 6UOC

Pre-requisite(s): OPTM7611

Teaching times and locations: Online (<http://www.timetable.unsw.edu.au>)

2.1 Course summary

The course will discuss various evidence based management options of progressive myopia, including optical, pharmacological and environmental treatment modalities, and methods to implement myopia management into clinical practice.

2.2 Course aims

With dramatic increases in worldwide myopia prevalence rates, myopia control management is increasingly becoming a part of routine clinical practice. The course aims to provide the research background and evidence for various optical, pharmacological and behavioural myopia management options. The course will enhance optometrists' skills, knowledge and management practice of progressive myopia, particularly in the paediatric population.

2.3 Course learning outcomes (CLO)

At the successful completion of this course you (the student) should be able to:

1. Be able to define and discuss benefits and limitations of each myopia management treatment, including side effects, efficacy complications, and cost, and how to avoid and manage complications.
2. Demonstrate knowledge to be able to competently design, develop and revise a management plan for progressive myopia which may require either pharmacological or non-pharmacological treatment or intervention.
3. Develop advanced disciplinary knowledge that is both theoretical and practical in a number of fields in optometry.
4. Developed skills and knowledge in evidence based practices to foster life-long learning, critical analysis and independent enquiry.
5. Gain a national and global outlook of contemporary issues most relevant to research and the practice of optometry.

2.4 Relationship between course and program learning outcomes and assessments

Program learning outcomes (PLO) (7433 – Myopia Management) can be found on the UNSW Handbook.

<https://www.handbook.unsw.edu.au/postgraduate/programs/2019/7433.html>

Course Learning Outcome (CLO)	LO Statement	Program Learning Outcome (PLO)	Related Tasks & Assessment
CLO 1	Be able to define and discuss benefits and limitations of each myopia management treatment, including side effects, efficacy complications, and cost, and how to avoid and manage complications.	PLO1 PLO2 PLO3	Webinar Mid-semester MCQ Final exam
CLO 2	Demonstrate knowledge to be able to competently design, develop and revise a management plan for progressive myopia which may require either pharmacological or non-pharmacological treatment or intervention.	PLO1 PLO2 PLO3	Webinar Mid-semester MCQ Final exam
CLO 3	Develop advanced disciplinary knowledge that is both theoretical and practical in a number of fields in optometry.	PLO1 PLO2	Article review Webinar

		PLO3	
CLO 4	Developed skills and knowledge in evidence based practices to foster life-long learning, critical analysis and independent enquiry.	PLO4 PLO5 PLO6	Article review Webinar
CLO 5	Gain a national and global outlook of contemporary issues most relevant to research and the practice of optometry.	PLO1 PLO5 PLO6	Article review Webinar Mid-semester MCQ Final exam

3. Strategies and approaches to learning

3.1 Learning and teaching activities

To maximize learning effectiveness, various modes of digital learning are used in the course to encourage critical thinking and deep learning of the topics and issues. Learning and teaching activities include online lectures, webinars, online case discussions and critical review of key literature.

Students are assumed to have a level of knowledge and skill commensurate with a 1997 (or later) graduate of the B.Optom course at UNSW, or other equivalent course of study, and to have competency in the relevant clinical diagnostic techniques. International students are assumed to have the equivalent of a three-year AQF level 7 Bachelor degree in Optometry with a credit average. To achieve an adequate standard of knowledge and skills, students will need to undertake self-learning and to be familiar with the basic concepts described in the course readings and resources available on UNSW Moodle. Some of the self-learning and case discussion tasks require critical review, analysis and evaluation of the relevant scientific and clinical literature and consistent reading and reflection during the course.

3.2 Expectations of students

Expectations of Students	<p>Attendance</p> <p>Attendance to 80% of webinars is required.</p> <p>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 Zmail 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</p>
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if you do not check your Zmail.

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

4. Course schedule and structure

Week [Date/Session]	Topic [Module]	Activity [Learning opportunity]	Related CLO
Week 1 3 rd Jun – 9 th Jun	Dr Pauline Kang Introduction into myopia management		CLO4 CLO5
Week 2 10 th Jun – 16 th Jun	A/Prof Padmaja Sankaridurg Optical strategies of myopia control – multifocal spectacle lenses Mechanisms, current research and development, lens designs and fitting		CLO1 CLO2 CLO3 CLO4
Week 3 17 th Jun – 23 rd Jun	A/Prof Padmaja Sankaridurg Optical strategies of myopia control – multifocal soft/rigid contact lenses Mechanisms, current research and development, lens designs and fitting	Webinar 1: Spectacle and soft contact lens strategies of myopia control A/Prof Padmaja Sankaridurg and Dr Pauline Kang	CLO1 CLO2 CLO3 CLO4
Week 4 24 th Jun – 30 th Jun	Dr Pauline Kang and Dr Paul Gifford Optical strategies of myopia control – orthokeratology Mechanisms, current research and development, lens designs and fitting	Webinar 2: Orthokeratology for myopia control Dr Pauline Kang	CLO1 CLO2 CLO3 CLO4
Week 5 1 st Jul – 7 th Jul	A/Prof Isabelle Jalbert Pharmaceutical strategies of myopia control – atropine Dr Kathleen Watt Mechanisms, current research and development Dr Alex Hui Regulations, prescription writing, safe prescribing and compounding, adverse reaction reporting	Online mid-semester MCQ Sunday 7 th July at 10am-11am	CLO1 CLO2 CLO3 CLO4
Week 6 8 th Jul – 14 th Jul	Dr Alex Hui and Dr Pauline Kang Pharmaceutical strategies of myopia control – other treatment (pirenzepine, MX-5) Mechanisms, current research and development	Webinar 3: Pharmaceutical strategies of myopia control Dr Kathleen Watt, Dr Alex Hui and Dr Pauline Kang	CLO1 CLO2 CLO3 CLO4
Week 7 15 th Jul – 21 st Jul	Professor Kathy Rose and Dr Regan Ashby Behavioural modification – time outdoors and lighting Mechanisms, current research and development	Webinar 4: Time outdoors and lighting Professor Kathy Rose and Dr Pauline Kang	CLO1 CLO2 CLO3 CLO4
Week 8 22 nd Jul – 28 th Jul	Dr Kathleen Watt and Dr Kate Gifford Behavioural modification – near work / binocular vision / physical activity Mechanisms, current research and	Article review assigned due 7 th July midnight. Submission via Moodle.	CLO1 CLO2 CLO3 CLO4

	development		
Week 9 29 th July – 4 th Aug	Dr Kate Gifford How to incorporate myopia management into clinical practice Incorporation and impact on business, tools and resources to facilitate implementations, clinical guidelines Dr Kathleen Watt Myopia clinic in a university setting	Webinar 5: Near work, BV and myopia control, and myopia management in clinical practice Dr Kate Gifford, Dr Kathleen Watt and Dr Pauline Kang	CLO1 CLO4 CLO5
Week 10 5 th Aug – 11 th Aug	Dr Monica Jung and Ms Judith Stern Communication skills Future research directions/gaps in research		CLO4

5. Assessment

5.1 Assessment tasks

Assessment task	Length	Weight	Mark	Due date
Assessment 1: Article review	2000 words	15%	/20	Sunday 28 th July Midnight
Assessment 2: Webinar	N/A	10%	/5 for each webinar	Friday 2 nd August Midnight
Assessment 3: Mid-semester MCQ	1 hour	25%	/50	Sunday 7 th July at 10am-11am
Assessment 3: Final exam (hurdle)	2 hours	50%	/100	Exam period

Further information

UNSW grading system: student.unsw.edu.au/grades

UNSW assessment policy: student.unsw.edu.au/assessment

5.2 Assessment criteria and standards

Assessment task	Assessment Criteria
Final examination	Pass on the final exam is set at 50%. To pass the course the final examination must be passed. Students who fail the exam will be given a maximum course grade of 48FL.

Mid-term MCQ	Pass on the MCQ exam is set at 50%.
Webinar	Participation in discussion board questions. Submission of questions prior to webinars. Participation in discussion during webinars.

5.3 Submission of assessment tasks

Assignment Submissions	<p>Assignments should be submitted via Moodle (electronic submission).</p> <p>Marked assignments can be collected from the:</p> <ul style="list-style-type: none"> • School Enquiry office during counter opening hours. You must show a valid student card to do this. <p>The School Policy on Submission of Assignments (including penalties for late assignments) and the Assignment Attachment Sheet are available from the School office (RMB3.003) and the School website at: https://www.optometry.unsw.edu.au/current/policies-and-procedures</p>
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Assessment Procedures UNSW Assessment Policy¹	<p>SCHOOL OF OPTOMETRY AND VISION SCIENCE, UNSW</p> <p>SUPPLEMENTARY EXAMINATION INFORMATION, 2019</p> <p>There are two circumstances whereby a supplementary examination may be granted:</p> <p>COMPETENCY IN DOUBT</p> <p>Students whose competency level is in doubt after the final examination(s) may be eligible to sit a supplementary examination in the course(s) concerned.</p> <p>Please check the School website for this information.</p> <p>SPECIAL CONSIDERATION</p> <p>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 semester 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 Student Profile tab > My Student Services > Online Services > Special Consideration. Submit the application (including supporting documentation) to UNSW Student Central.</p> <p>Special Consideration - Pre-Existing Conditions</p> <p>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</p>
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¹ [UNSW Assessment Policy](#)

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.

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 Special Consideration application as detailed above.

You are reminded that supplementary examinations are not granted lightly or automatically. Eligibility for supplementary examinations, 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 examination, so please do not contact the School or Course Controllers to request a supplementary examination.

It is the responsibility of the student to consult the web site or noticeboard to ascertain whether they have supplementary examinations. This information **WILL NOT** be conveyed in **ANY** other manner. Interstate, overseas or any other absence cannot be used as an excuse.

This information will be available on the School web site at <https://www.optometry.unsw.edu.au> (do not confuse the School website with the myUNSW website) and posted on the notice board on Level 3. This information will be available as soon as possible after the School Examination Committee meeting.

SUPPLEMENTARY EXAMINATIONS FOR 2019 WILL BE HELD AS FOLLOWS:

FOR TERM 1: Friday May 24th to 31st

FOR TERM 2: Friday September 6th to 13th

FOR TERM 3: End of December or early January (TBA)

Supplementary examinations will be held at the scheduled time only. If students who are granted supplementary examinations do not attend, a failure will be recorded for that course. Students should not make travel arrangements, or any other commitments, before establishing whether or not they have supplementary examinations. Ignorance of these procedures, interstate, overseas or any other absence will not be accepted as an excuse. But usual Special Consideration for illness still applies.

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.

5.4. Feedback on assessment

Article review: Feedback provided within 10 working days of assessment submission by course convenor via

Moodle.

Webinar: Feedback provided within 10 working days of the last webinar by course convenor via Moodle.

Mid-semester MCQs: Feedback provided within 10 working days of assessment submission by course convenor via Moodle.

Final exam: Feedback provided with final course mark.

6. Academic integrity, referencing and plagiarism

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism.

Further information about referencing styles can be located at student.unsw.edu.au/referencing

Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage.² At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.

Further information about academic integrity and **plagiarism** can be located at:

- The *Current Students* site student.unsw.edu.au/plagiarism, and
- The *ELISE* training site subjectguides.library.unsw.edu.au/elise

The *Conduct and Integrity Unit* provides further resources to assist you to understand your conduct obligations as a student: student.unsw.edu.au/conduct.

7. Readings and resources

Prescribed resources

- Chia A et al. Five-year clinical trial on Atropine for the Treatment of Myopia 2. *Ophthalmology*. 2016;123:391-9
- Huang J et al. Efficacy comparison of 16 interventions for myopia control in children: a network meta-analysis. *Ophthalmology*. 2016;123:697-708
- Walline JJ et al. Interventions to slow progression of myopia in children. *Cochrane Database Syst Rev*. 2011;7; CD004916.
- Li S et al. Studies using concentric ring bifocal and peripheral add multifocal contact lenses to slow myopia progression in school-aged children: a meta-analysis. *Ophthalmic Physiol Opt*. 2017;37;51-59
- Si JK et al. Orthokeratology for myopia control: a meta-analysis. *Optom Vis Sci*. 2015 92;252-7
- Wolffsohn JS et al. Global trends in myopia management attitudes and strategies in clinical practice. *Cont Lens Ant Eye*. 2016;39;106-16

² International Center for Academic Integrity, 'The Fundamental Values of Academic Integrity', T. Fishman (ed), Clemson University, 2013.

8. Administrative matters

Required Equipment, Training and Enabling Skills

Equipment Required	Access to a computer with a high speed internet connection is required. A microphone and webcam are optional but would be extremely helpful.
Enabling Skills Training Required to Complete this Course	<p>The UNSW Current Student site has helpful resources on a variety of topics including time management, examination preparation, and oral presentations. https://student.unsw.edu.au/support</p> <p>The Learning Centre also offers academic skills support to all students enrolled at UNSW http://www.lc.unsw.edu.au</p> <p>Completion of the ELISE tutorials through the link below will familiarise students with skills required to complete this course. This includes information on UNSW services, accessing library resources, study skills, academic writing and referencing. http://subjectguides.library.unsw.edu.au/elise</p> <p>ELISE Plus is targeted towards information literacy with instruction on searching for publications and self-directed learning. http://subjectguides.library.unsw.edu.au/eliseplus</p> <p>It is a requirement that assignments are appropriately referenced using a recognised referencing system. Students may download the bibliographic software EndNote from the UNSW IT through the link below. Students may use the bibliographic software of their choosing however UNSW will only provide assistance for software they have provided. https://www.it.unsw.edu.au/students/software/endnote.html</p> <p>The following link contains instructional tutorials. UNSW library staff are also available to provide any additional assistance students may require with EndNote. http://subjectguides.library.unsw.edu.au/elise/managingreferences</p>
Work Health and Safety³	<p>Information on relevant Occupational Health and Safety policies and expectations both at UNSW and if there are any school specific requirements.</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: https://www.optometry.unsw.edu.au/whs/work-health-and-safety</p>
Equity and Diversity	<p>Those students who have a disability or are dealing with personal circumstances that affect their study 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>

³ [UNSW OHS Home page](#)

Student Complaint Procedure ⁴	School Contact	Faculty Contact	University Contact
	Prof. Helen Swarbrick h.swarbrick@unsw.edu.au Tel: 9385 4373	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	Student Integrity Unit (SIU) Telephone 02 9385 8515, email studentcomplaints@unsw.edu.au
University Counselling and Psychological Services⁵	Information on Counselling and Psychological Services [CAPS] is available at: https://www.counselling.unsw.edu.au/ Tel: 9385 5418		

9. Additional support for students

- The *Current Students* Gateway: student.unsw.edu.au
- Academic Skills and Support: student.unsw.edu.au/skills
- Student Wellbeing, Health and Safety: student.unsw.edu.au/wellbeing
- Disability Support Services: student.unsw.edu.au/disability
- UNSW IT Service Centre: www.it.unsw.edu.au/students

⁴ [Student Complaint Procedure](#)

⁵ [University Counselling and Psychological Services](#)