



# Course Outline

OPTM7107

Ocular Therapy 1

Optometry and Vision Science

Faculty of Science

Terms 2 and 3 2020

# 1. Staff

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Position	Name
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## **2.1 Course summary**

This course provides an introduction to the basic and clinical sciences related to the use of therapeutic agents in primary care optometry. The focus is on the practical clinical needs of the student. In the basic sciences, there is a review of biochemistry with emphasis on physiological processes and how they can be affected by drug actions. The principles of pharmacology and how they impact therapeutic management are presented and discussed. Microbiology, immunology, inflammation and pathology are reviewed with a strong emphasis on ocular infection and inflammation. Ocular therapeutics and their use in primary care optometry will be covered with reference to diagnosis and management of anterior eye disease, including disorders of the cornea, conjunctiva, adnexae, uvea, lacrimal system as well as glaucoma. The topic of co-management is discussed in relation to glaucoma and ocular surgery. The legislative aspects of therapeutic prescribing by optometrists in Australia and New Zealand will also be presented.

## **2.2 Course aims**

The didactic course is intended to ensure understanding of basic biological sciences, disease processes and their treatment, with particular focus on ocular conditions and ocular manifestations of systemic diseases



## 2.4 Relationship between course and program learning outcomes and assessments

Program Learning Outcomes (PLO) (7436 – Ocular Therapeutics <https://www.handbook.unsw.edu.au/postgraduate/programs/2018/7436.html>) can be found on the UNSW Handbook

Course Learning Outcome (CLO)	LO Statement	Program Learning Outcome (PLO)	Related Tasks & Assessment
CLO 1	Assess the eye and ocular adnexae and to differentially diagnose ocular disease (ELC 2.1-2.5, 3.1-3.4, 3.8, 4.1)	PLO 1,3,4,5	Quizzes, Participation, Final Exam
CLO 2	Define and discuss the pharmacological considerations of ocular drugs used in the treatment of anterior eye disease and interactions between ocular and systemic diseases and their management (ELC 4.9, 4.12)	PLO 1-6	Quizzes, PBS assignment, Participation, Final Exam

Design, develop and revise pharmacological and non-pharmacological management plans for

CLO 3

CLO 7	Diagnose, treat and/or monitor glaucoma (ELC 1.1, 1.2, 1.6, 1.8, 2.1-2.5, 3.1-3.4, 3.8, 4.1, 4.2, 4.4, 4.9, 4.11, 4.12, 4.13, 5.1, 5.2)	PLO 1-6	Quizzes, Participation, PBS assignment, Final Exam
	Provide non-invasive first aid for ocular conditions (ELC 4.12)	PLO 1, 5	Quizzes, Participation, Final

## **3. Strategies and approaches to learning**

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### **3.1 Learning and teaching activities**

To maximize learning effectiveness, a number of strategies are used in the course to encourage critical thinking and deep learning of the topics and issues. 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





Week	Lectures (day), Topics & Lecturers	Webinar (day) Topic & Lecturers	Assignment and Submission dates (see also 'Assessment Tasks & Feedback')
3 <sup>rd</sup> Aug – 16 <sup>th</sup> Aug 2020	<p><b>Dr Alex Hui</b> Anti-infective Drugs Therapeutic Management of Bacterial Conjunctivitis</p> <p><b>Prof Fiona Stapleton</b> Therapeutic Management of Corneal Ocular Infections (Contact Lens and Non-Contact Lens Related)</p> <p><b>Dr Isabelle Jalbert</b> Therapeutic Management of Ocular Infections (Viruses)</p>	<p>Webinar 6: Ocular Infection Monday 17<sup>th</sup> August 2020</p> <p><b>Prof Fiona Stapleton and Dr Alex Hui</b></p>	

Week	Lectures (day), Topics & Lecturers	Webinar (day) Topic & Lecturers	Assignment and Submission dates (see also 'Assessment
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## 5. Assessment

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### 5.1 Assessment tasks

**A grade of 50% or greater on the final written exam is required to pass the course.**

**An overall course grade of 65% or greater is required to proceed to OPTM7117: Ocular Therapy 2**

The course coordinator is responsible for the calculation of provisional composite marks and a recommendation for action for each student. The Examination Committee comprising senior members of the Faculty and which is chaired by the Head of the School of Optometry and Vision Science at UNSW meet to review the provisional marks. The Examination Committee meets at the end of each session or at other times in extraordinary circumstances and grades are awarded according to the UNSW assessment policy (<https://student.unsw.edu.au/assessment>). Final composite marks are released to the student via email. UNSW students are notified of results and need for possible supplementary examinations via email (<https://student.unsw.edu.au/results> and <https://student.unsw.edu.au/academic-transcript>).

late submissions, are subject to the School of Optometry and Vision Science Policy on Submission5 (s)-2.6

## 5.2 Assessment criteria and standards

Task	Assessment Criteria
Pre-Webinar Quizzes and Online Exercises	Preparation for Each Webinar, accurate responses
PBS and Prescription Writing Assignment	Demonstrate ability to correctly utilize the Pharmaceutical Benefits Scheme and write prescriptions
Webinar	Answers in discussion board questions Submission of questions prior to webinars Discussion questions during webinars
Final Written 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 UF

## 5.3 Submission of assessment tasks

<p><b>Assignment Submissions</b></p>	<p>Assignments should be submitted via Moodle (electronic submission).</p> <p>This includes completed laboratory reports and logs which should be scanned/photographed and submitted via Moodle.</p> <p>If your assignment requires submission of a pair of glasses/contact lenses, these may be submitted via the Assignment submission box at the Student Enquiry office (North Wing, Rupert Myers Building, Room 3.003), however the accompanying report should be submitted via Moodle.</p> <p>Marked assignments can be collected from the:</p> <p style="padding-left: 40px;">School Enquiry office <b>during counter opening hours</b>. You must show a valid student card to do this.</p> <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: <a href="https://www.optometry.unsw.edu.au/study/undergraduate-degrees/important-information-and-policies">https://www.optometry.unsw.edu.au/study/undergraduate-degrees/important-information-and-policies</a></p>
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<p><b>Assessment Procedures</b></p> <p><b>UNSW Assessment Policy<sup>1</sup></b></p>
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## 5.4. Feedback on assessment

Task	Feedback		
	WHO	WHEN	HOW
Pre-Webinar Quizzes			

Pre-Webinar Quizzes

## 6. Academic integrity, referencing and plagiarism

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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](https://student.unsw.edu.au/referencing)



## 7. Readings and resources

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*\*Required, highly recommended in **BOLD***

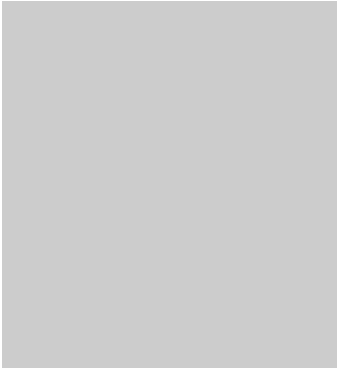
Alward WLM. Colour atlas of gonioscopy 2nd edition. 2008. American Academy of Ophthalmology (ISBN: 9781560558965)

**Australian Medicines Handbook. 2017. Australian medicines handbook Pty Ltd (ISBN: 978-0-9943262-4-9)**

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## 8. Administrative matters

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Dr