



## UNSW Course Outline

# VISN1111 Geometrical and Physical Optics - 2024

Published on the 12 May 2024

## General Course Information

**Course Code :** VISN1111

**Year :** 2024

**Term :** Term 2

**Teaching Period :** T2

**Is a multi-term course? :** No

**Faculty :** Faculty of Medicine and Health

**Academic Unit :** School of Optometry and Vision Science

**Delivery Mode :** In Person

**Delivery Format :** Standard

**Delivery Location :** Kensington

**Campus :** Sydney

**Study Level :** Undergraduate

**Units of Credit :** 6

### Useful Links

[Handbook Class Timetable](#)

## Course Details & Outcomes

### Course Description

**Objectives:** This course provides an understanding of geometric and physical optics. It is the first optics course in the Vision Science/Clinical Optometry program. This course will be delivered by lectures, laboratory classes and tutorial exercises designed to present, with least complexity,

concepts in optics relevant to optometry & vision science.

#### Brief curriculum:

**Geometrical optics:** Basics of light and light propagation, rectilinear propagation of light, refraction and reflection at the plane and spherical surfaces, prisms, thin lenses, thick lenses, optical systems with multiple surfaces, simple magnifiers, compound magnifiers, telescopes, microscopes, stops, pupils and windows.

**Physical optics:** The wave nature of light, superposition of waves, interference, diffraction, and polarisation.

## Course Aims

The course aims to help students acquire understanding and a great deal of familiarity with geometrical and physical optics principles with reference to the optics instrumentation, eye and vision. Relevant skills needed for the practice of Optometry and Vision Science rely on optics background. Learning optics to a good standard will enable them to appreciate and learn the subsequent courses with confidence and considerable ease.

## Relationship to Other Courses

#### Assistance with progression checking:

If you are unsure how this course fits within your program, you can seek guidance on optimising your program structure from staff at the [Nucleus Student Hub](#).

Progression plans for UNSW Medicine and Health programs can be found on the [UNSW Medicine & Health website](#).

VISN1111 is a pre-requisite for VISN1221.

# Course Learning Outcomes

Course Learning Outcomes	Optometry Australia competency standards
CLO1 : Gain an understanding of the basics of light, the rules for its propagation and transmission through optical surfaces and components, imaging by optical components.	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
CLO2 : Apply the law of refraction and reflection to find the image location in an optical system and be able to describe image formation using optical ray tracing method.	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
CLO3 : Describe the optical principles of simple optical systems that include simple magnifiers, microscope and telescopes and be able to understand the concept of magnification.	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
CLO4 : Use the principles of wave phenomena and superposition of waves to describe the optics of interference, diffraction and polarisation.	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
CLO5 : Solve a range of problems in geometric and physical optics by selecting the appropriate formulae and performing numerical calculations.	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
CLO6 : Develop team working skills to be able to work with others effectively.	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
CLO7 : Demonstrate the essential optics knowledge that is required for building a career in optometry/vision science.	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>

Course Learning Outcomes	Assessment Item
CLO1 : Gain an understanding of the basics of light, the rules for its propagation and transmission through optical surfaces and components, imaging by optical components.	<ul style="list-style-type: none"> <li>• Moodle Self-Test Quizzes</li> <li>• Exam</li> <li>• Lab</li> <li>• Mid-Term exam</li> </ul>
CLO2 : Apply the law of refraction and reflection to find the image location in an optical system and be able to describe image formation using optical ray tracing method.	<ul style="list-style-type: none"> <li>• Moodle Self-Test Quizzes</li> <li>• Exam</li> <li>• Lab</li> <li>• Mid-Term exam</li> </ul>
CLO3 : Describe the optical principles of simple optical systems that include simple magnifiers, microscope and telescopes and be able to understand the concept of magnification.	
CLO4 : Use the principles of wave phenomena and superposition of waves to describe the optics of interference, diffraction and polarisation.	
CLO5 : Solve a range of problems in geometric and physical optics by selecting the appropriate formulae and performing numerical calculations.	
CLO6 : Develop team working skills to be able to work with others effectively.	
CLO7 : Demonstrate the essential optics knowledge that is required for building a career in optometry/vision science.	

## Learning and Teaching Technologies

Moodle - Learning Management System | Blackboard Collaborate | Microsoft Teams | Zoom

## Learning and Teaching in this course

All course materials and course announcements are provided on the course learning management system, Moodle (or Open Access).

By accessing and using the ICT resources provided by UNSW, you are agreeing to abide by the ['Acceptable Use of UNSW ICT Resources'](#) policy particularly on respect for intellectual property and copyright, legal and ethical use of ICT resources and security and privacy.

## Additional Course Information

SCHOOL OF OPTOMETRY AND VISION SCIENCE, UNSW SUPPLEMENTARY EXAMINATION INFORMATION, 2024

### 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 semester examination. In these cases you may apply for Special Consideration. UNSW operates under a **Fit to Sit/ Submit rule for all assessments**. If a student wishes to submit an application for special consideration for an exam or assessment, the application must be submitted prior to the start of the exam or before an assessment is submitted. If a student sits the exam/ submits an assignment, they are declaring themselves well enough to do so. 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.

## CHRONIC ISSUES AND PRE-EXISTING CONDITIONS

If you have chronic issues and pre-existing conditions, we recommend you apply for Educational adjustments for disability support through Disability Services.

Register for Disability Services at <https://student.unsw.edu.au/disability-registration>

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](mailto:optometry@unsw.edu.au)). You must also submit a Request for Special Consideration application as detailed on the UNSW website: <https://student.unsw.edu.au/special-consideration>.

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 <http://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 2024 WILL BE HELD AS FOLLOWS:

FOR TERM 1:

- STAGE 1-4\* COURSES: WEDNESDAY, 15 MAY 2024 – FRIDAY, 17 MAY 2024
- THERE WILL BE NO SUPPLEMENTARY EXAMINATIONS FOR STAGE 5 STUDENTS IN TERM 1 2024

**FOR TERM 2:**

- STAGE 1-4 COURSES: WEDNESDAY, 28 AUGUST 2024 - FRIDAY, 30 AUGUST 2024
- THERE WILL BE NO SUPPLEMENTARY EXAMINATIONS FOR STAGE 5 STUDENTS IN TERM 2 2024

**FOR TERM 3:**

- STAGE 5 COURSES ONLY: DURING THE WEEK OF MONDAY, 9 DECEMBER 2024 – FRIDAY, 13 DECEMBER 2024
- STAGE 1-4\* COURSES: WEDNESDAY, 11 DECEMBER 2024 - FRIDAY, 13 DECEMBER 2024

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 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.

Please note the above applies to OPTM and VISN courses only. Any information on supplementary examinations for servicing courses (e.g. CHEM\*\*\*\*) is the responsibility of the School conducting the course.

\* Stage 4 includes courses in the first year of the MClinOptom program.

School of Optometry and Vision Science, UNSW, 3 August 2023

# Assessments

## Assessment Structure

Assessment Item	Weight	Relevant Dates	Optometry Australia competency standards
Moodle Self-Test Quizzes Assessment Format: Individual Short Extension: Yes (7 days)	15%	Start Date: Please refer to Moodle for announcements Due Date: Please refer to Moodle for announcements	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
Exam Assessment Format: Individual	55%	Start Date: During the T2 exam period Due Date: During the T2 exam period	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
Lab Assessment Format: Individual Short Extension: Yes (7 days)	10%	Start Date: Please refer to Moodle announcements Due Date: Please refer to Moodle announcements	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT3 : Communicator and Collaborator</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>
Mid-Term exam Assessment Format: Individual	20%	Start Date: Please refer to Moodle announcements Due Date: Please refer to Moodle announcements	<ul style="list-style-type: none"> <li>• OPT1 : Clinical Care Provider</li> <li>• OPT2 : Professional and Ethical Practitioner</li> <li>• OPT4 : Scholar and Lifelong Learner</li> <li>• OPT5 : Quality and Risk Manager</li> </ul>

# **Assessment Details**

## **Moodle Self-Test Quizzes**

### **Assessment Overview**

There are 3 online Moodle Quizzes to be released on Tuesday weeks 2, 4 and 9 and will take approx. 60 min.

### **Course Learning Outcomes**

- CLO1 : Gain an understanding of the basics of light, the rules for its propagation and transmission through optical surfaces and components, imaging by optical components.
- CLO2 : Apply the law of refraction and reflection to find the image location in an optical system and be able to describe image formation using optical ray tracing method.

### **Detailed Assessment Description**

Knowledge & abilities assessed: Each quiz covers materials taught in the previous weeks to provide regular feedback on understanding course materials. Learning involves knowing key definitions, formulae, underlying concepts and methods to solve problems. It is an opportunity to revise materials presented during the course.

Assessment criteria: Accurate response

Highest grade from three attempts. Students must complete the quiz within the given time.

### **Submission notes**

Please refer to the Moodle Announcements

### **Assignment submission Turnitin type**

Not Applicable

## **Exam**

### **Assessment Overview**

A final examination will be held to test the knowledge and skills gained by the student through lectures, tutorials and lab experiments conducted through the session. Students are assessed on their ability to write definitions, derive formulae, draw ray diagrams, and solve problems through multiple choice and short answer questions.

### **Course Learning Outcomes**

- CLO1 : Gain an understanding of the basics of light, the rules for its propagation and transmission through optical surfaces and components, imaging by optical components.
- CLO2 : Apply the law of refraction and reflection to find the image location in an optical system and be able to describe image formation using optical ray tracing method.

### Detailed Assessment Description

Knowledge & abilities assessed: Understanding of all material taught Weeks 1-10 inclusive, excluding group laboratory activities

Assessment criteria: Accurate response

The approach used to solve the problem, working shown, the correctness of answers, draw ray diagrams and the ability to define/describe concept clearly.

### Assessment Length

2 hours and 30 minutes

### Submission notes

Please refer to the Moodle Announcements

### Assignment submission Turnitin type

Not Applicable

## **Lab**

### Assessment Overview

Prior to each lab, students work in groups to submit lab reports to Moodle detailing experiments undertaken during the previous lab. In each lab report form, students record measurements and make calculations based on the experiments performed during the lab. The form also includes a set of questions at the end that probe student's understanding of the lab, their observation skills and the results obtained. Written feedback is provided to each group every fortnight.

### Course Learning Outcomes

- CLO1 : Gain an understanding of the basics of light, the rules for its propagation and transmission through optical surfaces and components, imaging by optical components.
- CLO2 : Apply the law of refraction and reflection to find the image location in an optical system and be able to describe image formation using optical ray tracing method.

### Detailed Assessment Description

Knowledge & abilities assessed: Each week, students will read, observe/conduct the lab experiment, record measurements and perform calculations in a report form provided on Moodle/Lab. The lab report form also includes a set of questions at the end that probe student's understanding of the lab, their observation skills and the results obtained. Students are encouraged to work in groups and equally participate in the lab reports. Completed group lab report form for each lab should be submitted via Moodle within the lab report submission time.

Assessment criteria: Accurate response

Incomplete calculations, incomplete answers, lack of neatness in presentation and late submissions will result in loss of marks.

### **Assessment Length**

Please refer to Moodle announcements

### **Submission notes**

Please refer to Moodle announcements

### **Assessment information**

Each week, students will conduct/observe, record measurements, and perform calculations in a report form provided in the lab notes. Students are also encouraged to answer critical questions based on the lab activities at the end of each lab through the lab report form.

### **Assignment submission Turnitin type**

Not Applicable

## **Mid-Term exam**

### **Assessment Overview**

The mid-session exam is based on definitions, concepts, ray tracing and problem solving.

### **Course Learning Outcomes**

- CLO1 : Gain an understanding of the basics of light, the rules for its propagation and transmission through optical surfaces and components, imaging by optical components.
- CLO2 : Apply the law of refraction and reflection to find the image location in an optical system and be able to describe image formation using optical ray tracing method.

### **Detailed Assessment Description**

Knowledge & abilities assessed: Understanding of all the topics covered from Weeks 1-3 inclusive.

Assessment criteria: Accurate response,

The approach used to solve the problem, working shown, the correctness of answers, draw ray diagrams and the ability to define/describe concept clearly.

### **Submission notes**

Please refer to Moodle announcements

### **Assessment information**

The mid-session exam (MCQ and short-answer questions format) is based on definitions, concepts, ray tracing and problem-solving. The mid-session exam will be delivered through

Moodle.

**Assignment submission Turnitin type**

Not Applicable

## General Assessment Information

Detailed instructions regarding assessments for this course are provided on the course Moodle page (or Open Learning).

For student information on results, grades, and guides to assessment see: <https://student.unsw.edu.au/assessment>

**Grading Basis**

Standard

**Requirements to pass course**

In order to pass this course students must:

- Achieve a composite grade of at least 50 out of 100
- Meet any additional requirements specified in the assessment details section and on Moodle.

# Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 27 May - 2 June	Lecture	Lecture 1 ( Monday 2 pm- 4 pm), - Course introduction & basics of light and propagation
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) - Refraction at plane surfaces, prism (parts 1& 2)
	Tutorial	Tutorials Face-to-Face: (Thursday, 1 hour) 12- 1 pm, 1-2 pm (Weeks: 1, 3, 5, 8,10) Topic: Basics of light and light propagation and refraction at plane surfaces
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Refraction at spherical surfaces & Thin lenses
Week 2 : 3 June - 9 June	Lecture	Lecture 1 ( Monday 2 pm- 4 pm), Refraction at spherical surfaces (part 1 & part 2)
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) - Thin lenses
	Tutorial	Tutorial Online: 1-2pm (Thursday, 1 hour)/ Weeks 2, 4, 7 and 9 Topic: Refraction at spherical surfaces & Thin lenses
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Refraction at curved surfaces (Part 1) / Estimation of lens power: Method based on lens form (Part 2)'
	Online Activity	Moodle Quiz 1
Week 3 : 10 June - 16 June	Lecture	Lecture 1: ( Monday 2 pm- 4 pm), - Public Holiday-NO lecture
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) - Lens systems
	Tutorial	Tutorials Face-to-Face: (Thursday, 1 hour) 12- 1 pm, 1-2 pm (Weeks: 1, 3, 5, 8,10) Topic: Lens Systems
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Estimation of lens power: A method based on imaging techniques
Week 4 : 17 June - 23 June	Lecture	Lecture 1: ( Monday 2 pm- 4 pm), Thick lenses
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) - Mirrors
	Tutorial	Tutorial Online: 1-2 pm (Thursday, 1 hour)/ Weeks 2, 4, 7 and 9 Topic: Thick lenses & Mirrors
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Estimation of the equivalent power of the lens system/ thick lens
	Online Activity	Moodle Quiz 2
Week 5 : 24 June - 30 June	Other	Lecture 1: ( Monday 2 pm- 4 pm), Mid-term exam
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) -Visual instruments:simple magnifiers
	Tutorial	Tutorials Face-to-Face: (Thursday, 1 hour) 12- 1 pm, 1-2 pm (Weeks: 1, 3, 5, 8,10) Topic: Simple magnifiers
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Simple magnifiers
Week 6 : 1 July - 7 July	Other	FLEXIBILITY WEEK
Week 7 : 8 July - 14 July	Lecture	Lecture 1: ( Monday 2 pm- 4 pm), Telescopes
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) -Microscopes
	Tutorial	Tutorial Online: 1-2 pm (Thursday, 1 hour)/ Weeks 2, 4, 7 and 9 Topic: Telescopes & Microscopes
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Telescopes and Microscopes
Week 8 : 15 July - 21 July	Lecture	Lecture 1: ( Monday 2 pm- 4 pm), Mid-term exam feedback
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) - Aperture stops, Field stops, pupils and windows
	Tutorial	Tutorials Face-to-Face: (Thursday, 1 hour) 12- 1 pm, 1-2 pm (Weeks: 1, 3, 5, 8,10) Topic: Aperture stops, Field stops, pupils, and windows

	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Interference
Week 9 : 22 July - 28 July	Lecture	Lecture 1: ( Monday 2 pm- 4 pm), Wave nature of light & superposition
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) - Interference
	Tutorial	Tutorial Online: 1-2 pm (Thursday, 1 hour)/ Weeks 2, 4, 7 and 9 Topic: Wave nature of light & superposition & Interference
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Diffraction
	Online Activity	Moodle Quiz 3
Week 10 : 29 July - 4 August	Lecture	Lecture 1: ( Monday 2 pm- 4 pm), Diffraction
	Lecture	Lecture 2 (Wednesday, 2 pm- 4 pm) - Polarisation
	Tutorial	Tutorials Face-to-Face: (Thursday, 1 hour) 12- 1 pm, 1-2 pm (Weeks: 1, 3, 5, 8,10) Topic: Diffraction & Polarisation
	Laboratory	Laboratory /Practicals- Face-to-Face: Friday, 1-hour session / 10-11 am, 11 am-12 pm, 12- 1 pm, 2-3 pm, 3-4 pm, 4-5 pm Topic: Polarisation
	Online Activity	Moodle Quiz 3

## Attendance Requirements

Students are expected to attend all scheduled clinical, laboratory and tutorial classes. An Unsatisfactory Fail (UF) may be recorded as the final grade for the course if students fail to meet the minimum requirement of 80% attendance for clinical, laboratory and tutorial classes (unless otherwise specified on Moodle). Course attendance expectations are determined by the requirements of the program accrediting body, OCANZ. Where a student is unable to attend, they are advised to inform the course convenor as soon as possible but no later than 3 days after the scheduled class and, where possible, provide written documentation (e.g. medical certificate) to support their absence. Students may submit a request for special consideration in the case of prolonged or multiple absences. Please note that there are severe consequences for submitting fraudulent documents such as false medical certificates. Such cases will be referred to the Student Conduct and Integrity Unit (SCIU) for investigation.

## General Schedule Information

The times and locations of classes can be found on [myUNSW](#) under Class Timetable.

The expected engagement for all UNSW 6UOC courses is 150 hours per term. This includes lectures, tutorials, readings, and completion of assessments and exam preparation (if relevant).

### Swapping practicals

Swapping between practical groups, including practicals that involve cycloplegia or dilation, is not permitted.

## **Additional attendance requirements for practical classes**

All practical classes are compulsory because they act to reinforce theoretical components of the course, while teaching critical practical clinical skills prior to use in the clinic in the final years of the program and are linked to clinical competencies.

Attendance will be monitored by taking the roll. Any absences due to illness must be accounted for by a medical certificate presented to your Course Convenor. Submission to Special Consideration may be required pending the number of absences.

Punctuality is expected. Lateness for practical classes may be recorded as an absence.

Contact the Laboratory Supervisor Dale Larden [d.larden@unsw.edu.au](mailto:d.larden@unsw.edu.au) if you are running late so your partner can be allocated to alternate work.

# **Course Resources**

## **Prescribed Resources**

Prescribed Textbook:

- Tunnacliffe AH and Hirst JG, Optics, Published by the Association of British Dispensing Opticians (ABDO), (Reprinted 2003).

Other Recommended textbooks:

- Freeman MH, Optics 10th Edition. Butterworths (London) 1990 or 11th Edition (2003).
- Pedrotti L and Pedrotti F, Optics and Vision, Prentice-Hall, 1998.
- Pedrotti FL, Pedrotti LM and Pedrotti LS, Introduction to Optics, Cambridge University Press, 3rd Edition (2018).

These books are available at the UNSW library or at the UNSW Bookshop.

Required Readings:

Compulsory and optional readings as specified by the lecturers throughout the session will be made available on Moodle when not accessible online through the UNSW library.

Students will be provided with a soft copy of the Laboratory Manual. Tutorial sheets will be posted on Moodle every week.

Moodle announcements for VISN1111 should be checked every day or two. This includes any scheduling changes, last minutes updates, etc.

In addition, the school website will hold important information, including timetables, staff contact details, and information on supplementary examinations. (<http://www.optometry.unsw.edu.au>)

## Computer laboratory:

Optometry and Vision Science's computer lab is located on the lower ground of the Old Main Bldg. (OMBLG21). Room availability is usually stated on a weekly schedule posted on the door of the room.

If these spaces are occupied or unavailable, the UNSW Library contains vast study and computing spaces that are open for longer hours than those in the School. Consult the UNSW Library website (<http://info.library.unsw.edu.au/>)

## Recommended Resources

Recommended resources for this course are provided on the course Moodle page.

## Course Evaluation and Development

Student feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

We use student feedback from myExperience surveys to develop and make improvements to the course each year. We do this by identifying areas of the course that require development from both the rating responses and written comments. Please spare a few minutes to complete the myExperience surveys for this course posted at the top of the Moodle page at the end of term.

## Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Associate Professor Maitreyee Roy				By appointment	No	Yes

## Other Useful Information

### Academic Information

As a student of UNSW Medicine & Health you are expected to familiarise yourself with the contents of this course outline and the UNSW Student Code and policies and procedures related to your studies.

### Student Code of Conduct

Throughout your time studying at UNSW Medicine & Health, you share a responsibility with us for

maintaining a safe, harmonious and tolerant University environment. This includes within the courses you undertake during your degree and your interactions with the UNSW community, both on campus and online.

The [UNSW Student Code of Conduct](#) website provides a framework for the standard of conduct expected of UNSW students with respect to both academic integrity and your responsibility as a UNSW citizen.

Where the University believes a student may have breached the code, the University may take disciplinary action in accordance with the [Student Misconduct Procedure](#).

The [Student Conduct and Integrity Office](#) provides further resources to assist you to understand your conduct obligations as a student at UNSW.

## Academic Honesty and Plagiarism

### Academic integrity

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students have a responsibility to adhere to the principle of academic integrity, and ethical scholarship of learning is fundamental to your success at UNSW Medicine & Health.

Plagiarism, contract cheating, and inappropriate use of generative AI undermine academic integrity and are not tolerated at UNSW. For more information see the [Academic Integrity and Plagiarism toolkit](#).

In addition to the information you are required to review in your [ELISE training](#), UNSW Medicine & Health strongly recommends that you complete the [Working with Academic Integrity](#) module before submitting your first assessment task.

### Referencing

Referencing is a way of acknowledging the sources of information that you use to research your assignments. Preferred referencing styles vary among UNSW Medicine & Health disciplines, so check your course Learning Management System (e.g. Moodle or Open Learning) page for information on preferred referencing styles.

For further information on referencing support and styles, see the Current Student [Referencing](#)

[page](#).

## Academic misconduct and plagiarism

At UNSW, academic misconduct is managed in accordance with the [Student Misconduct Procedure](#). Allegations of plagiarism are generally handled according to the [UNSW Plagiarism Management Procedure](#). Plagiarism is defined in the [UNSW Plagiarism Policy](#) and is not tolerated at UNSW.

## Use of Generative AI and other tools in your assessment

UNSW has provided guiding statements for the [use of Generative AI in assessments](#). This will differ, depending on the individual assessment task, your course requirements, and the course stage within your program.

Your course convenor will outline if and how you can use Generative AI in each your assessment tasks. Options for the use of generative AI include: (1) no assistance; (2) simple editing assistance; (3) planning assistance; and (4) full assistance with attribution.

You may be required to submit the original generative AI responses, or drafts of your original work. Inappropriate use of generative AI is considered academic misconduct.

See your course Moodle (or Open Learning) page for the full instructions for individual assessment tasks for your course.

## Submission of Assessment Tasks

### Special Consideration

In cases where illness, misadventure or other circumstances beyond your control will prevent you from submitting your assessment by the due date and you require an extension, you need to formally apply for [Special Consideration](#) through myUNSW.

UNSW has a **Fit to Sit/Submit rule**, which means that by sitting or submitting an assessment on the scheduled assessment date, you are declaring that you are fit to do so and cannot later apply for Special Consideration.

### Timed online assessment tasks

If you experience a technical or connection problem during a timed online assessment, such as a

timed quiz, you can apply for Special Consideration. To be eligible to apply you need to contact the Course Convenor and advise them of the issue immediately. You will need to submit an application for Special Consideration immediately, and upload screenshots, error messages or other evidence of the technical issue as supporting documentation. Additional information can be found on: <https://student.unsw.edu.au/special-consideration>

## Examinations

Information about the conduct of examinations in your course is provided on your course Moodle page.

## Other assessment tasks

### Late submission of assessment tasks

UNSW has standard late submission penalties as outlined in the [UNSW Assessment Implementation Procedure](#), with no permitted variation. All late assignments (unless extension or exemption previously agreed) will be penalised by 5% of the maximum mark per calendar day (including Saturday, Sunday and public holidays).

Late submissions penalties are capped at five calendar days (120 hours). This means that a student is not permitted to submit an assessment more than 5 calendar days (120 hours) after the due date for that assessment (unless extension or exemption previously agreed).

### Failure to complete an assessment task

You are expected to complete all assessment tasks for your courses. In some courses, there will be a minimum pass mark required on a specific assessment task (a “hurdle task”) due to the need to assure clinical competency.

Where a hurdle task is applicable, additional information is provided in the assessment information on your course Moodle page.

### Feedback on assessments

Feedback on your performance in assessment tasks will be provided to you in a timely manner. For assessment tasks completed within the teaching period of a course, other than a final assessment, feedback will be provided within 10 working days of submission, under normal circumstances.

Feedback on continuous assessment tasks (e.g. laboratory and studio-based, workplace-based, weekly quizzes) will be provided prior to the midpoint of the course.

Any variation from the above information that is specific to an assessment task will be clearly indicated in the course and assessment information provided to you on your course Moodle (or Open Learning) page.

## Faculty-specific Information

### Additional support for students

The university offers a wide range of support services that are available for students. Here are some links for you to explore.

- The Current Students Gateway:<https://student.unsw.edu.au>
- Academic Skills and Support:<https://student.unsw.edu.au/academic-skills>
- Student support:<https://www.student.unsw.edu.au/support>
- Student Wellbeing, Health and Safety:<https://student.unsw.edu.au/wellbeing>

Mind Smart Guides are a series of mental health self-help resources designed to give you the psychological flexibility, resilience and self-management skills you need to thrive at university and at work.

- Mind Smart Guides: <https://student.unsw.edu.au/mindsmart>
- Equitable Learning Services:<https://student.unsw.edu.au/els>
- Guide to studying online: <https://www.student.unsw.edu.au/online-study>

Most courses in UNSW Medicine & Health use Moodle as your Learning Management System. Guidance for using UNSW Moodle can be found on the Current Student page. Difficulties with Moodle should be logged with the IT Service Centre.

- Moodle Support: <https://student.unsw.edu.au/moodle-support>

The IT Service Desk is your central point of contact for assistance and support with remote and on-campus study.

- UNSW IT Service Centre:<https://www.myit.unsw.edu.au/services/students>

## Course evaluation and development

At UNSW Medicine & Health, students take an active role in designing their courses and their overall student experience. We regularly seek feedback from students, and continuous improvements are made based on your input. Towards the end of the term, you will be asked to participate in the [myExperience survey](#), which serves as a source of evaluative feedback from students. Your input to this quality enhancement process is valuable in helping us meet your learning needs and deliver an effective and enriching learning experience. Student responses are carefully considered, and the action taken to enhance educational quality is documented in the myFeedback Matters section of your Moodle (or Open Learning) course page.

## School Contact Information

School guidelines on contacting staff:

### Course questions

All questions related to course content should be posted on Moodle or as directed by your Course Convenor.

In cases where email communication with course convenors is necessary, we kindly request the following:

- Use your official email address for any correspondence with teaching staff.
- We expect a high standard of communication. All communication should avoid using short-hand or texting language.
- Include your full name, student ID, and your course code and name in all communication.

Our course convenors are expected to respond to emails during standard working hours of Monday to Friday, 9am-5pm.

## **Administrative questions**

If you have an administrative question about your program of study at the School please submit your enquiry online at [UNSW Ask Us](#).

## **Complaints and appeals**

Student complaints and appeals: <https://student.unsw.edu.au/complaints>

If you have any grievances about your studies, we invite you to address these initially to the Course Convenor. If the response does not meet your expectations, you may then contact the School Grievance Officer, A/Prof Sieu Khuu ([s.khuu@unsw.edu.au](mailto:s.khuu@unsw.edu.au)).