Course Outline

VISN3111

DEVELOPMENT AND AGEING OF THE VISUAL SYSTEM

Optometry and Vision Science

Faculty of Medicine and Health

Term 1, 2022

1. Staff

Position	Name	Email	Consultation timesand locations	Contact Details
Course Convenor	Dr Ingrid Jimenez Barbosa	ingrid.jimenezbarbosa@unsw.edu.au	Appointment via email	ingrid.jimenezbarbosa@unsw.edu.au
Lecturer	A/Prof. Michele Madigan	m.madigan@unsw.edu.au	Appointment via email	m.madigan@unsw.edu.au
Lecturer	Dr. Revathy Mani	revathy.mani@unsw.edu.au	Appointment via email	revathy.mani@unsw.edu.au
Lecturer	A/Professor SieuKhuu	s.khuu@unsw.edu.au	Appointment via email	s.khuu@unsw.edu.au
Pre-Clinical Laboratory Manager	Dr Dale Larden	d.larden@unsw.edu.au	Appointment via email	Via email

2. Course information

Units of credit: 6

Pre-requisite(s): VISN2211

Teaching times and locations: On-line and face-to-face delivery

Summary of Course Structure (for details see 'Course Schedule')				
Component	**HPW**	**Time**	**Day**	**Location**
Lecture	2	1pm -3pm	Monday	On-line
Lecture	2	9am – 11 am	Thursday	On-line
Tutorials	2, *not each week, refer to schedule (Wks 3,4,5, 7and 8)*	Grp 1 Tues 9 to 11am Grp 2 Tues 11 to 1pm Grp 3 Tues 4 to 6 pm Grp 4 Wed 4 to 6 pm	See left	On-line/ K-E15-G025- Quad G025 K-E15-G040 - Quad G040
Other	1, *not each week, refer to schedule. (Wks 1,2,3,5 and 8*	Grp 1 Friday 10 am to 11 am Grp 2 Friday 11 am to 12 noon Grp 3 Friday 12 to 1pm Grp 4 Friday 2pm to 3 pm	See left	On-line
TOTAL	**7**			

Special Details	Students will be required to have access to a computer and a speedy internet connection for the on-line examinations and on-line aspects of the course Students are encouraged to consult with the Topic lecturers for any questions that arise during the course. There is also a Q&A forum for questions and suggestions, that are available on Moodle and will be checked weekly.

2.1 Course summary

Objectives: An understanding of the development and aging of the visual system. The effect of disease on the visual system is briefly discussed.

Brief curriculum

Lifespan and development: include defining normal ageing and senescence and the hallmarks of ageing human embryology and early years of life; key embryological periods for eye and neuronal development

Development of eye: human embryology and early years of life; key embryological periods for eye and neuronal development

Development of Refractive Errors: the definition and process of emmetropisation; how myopia and hyperopia can develop; evidence-based approaches to managing refractive errors

Amblyopia development: what is amblyopia and how it develops (including critical period and neuronal plasticity); evidence-based approaches to amblyopia treatment (including critical period, plasticity, and introduction to treatment strategies)

Ageing eye and visual system: normal age-related changes in the eye and visual system; how do age-related changes in cognitive and visual pathways interact and impact overall visual function. How to assess normal visual function child and elderly people; public health overview of ageing population, impact of visual impairment and vision loss, and introduction to low vision (geriatric optometry)

Evidence Based Practice: Ability to define a question, perform a search for answers, appraisal of the quality and applicability of search items and understanding of the information in the literature itself. Ability to communicate this information in written and oral means.

2.2 Course Aims

The aim of this course is to develop an understanding of how the human visual system undergoes normal and abnormal age-related changes and the perceptual and functional consequences.

2.3 Course learning outcomes (CLO)

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

1. Identify the main concepts underlying our understanding of biological lifespan, ageing and senescence, and death
2. Characterize the main processes involved in normal development of the human eye and visual system from the first years of life and the clinical implications for ophthalmic practice.
3. Review how disruptions of normal developmental processes can impede maturation of normal vision and visual function in children.

4. Describe the normal expected changes of the eye and visual system over time with ageing and how this leads to deterioration of functional vision in later life
5. Describe the impact of limitations in cognitive or verbal ability, such as in the young, elderly or those with cognitive impairment, on clinical assessment and testing strategies.
6. Develop skills in teamwork, in finding and critically analyzing information, and in writing and verbal communication to inform clinical and scientific decision-making process in an intra and inter-disciplinary context.

2.4 Relationship between course and program learning outcomes and assessments

Course Learning Outcome (CLO)	LO Statement	Program Learning Outcome (PLO)	Related Tasks & Assessment
CLO 1	Identify the main concepts underlying our understanding of biological lifespan, ageing and senescence, and death	PLO 1 Effectively communicate information in both oral and written formats. PLO 2 Work effectively with others PLO 3 Articulate advanced and integrated understanding of a complex body of knowledge in Vision Science and Optometry, and their areas of professional practice. PLO 5 Articulate broad and coherent disciplinary theoretical and technical knowledge in Vision Science and Optometry and their areas of practice PLO 6 Demonstrate an awareness of national and international issues relevant to Vision Science and the Optometry profession. PLO 7 Use enquiry-based learning and demonstrate analytical skills in the review, consolidation, and synthesis of knowledge in Vision Science and Optometry.	**Assessments 1 to 4 (Assessment 2: Essay questions on Development and Ageing)** (Group discussion and presentation and essay; mid-term and final exam).

CLO 2	Characterize the main processes involved in normal development of the human eye and visual system from the first years of life and the clinical implications for ophthalmic practice.	PLO 1 Effectively communicate information in both oral and written formats. PLO 2 Work effectively with others PLO 3 Articulate advanced and integrated understanding of a complex body of knowledge in Vision Science and Optometry, and their areas of professional practice. PLO 7 Use enquiry-based learning and demonstrate analytical skills in the review, consolidation, and synthesis of knowledge in Vision Science and Optometry.	**Assessments 1 to 4 (Assessment 2: Essay questions on Development and Ageing)** (Group discussion and presentation and essay; mid-term and final exam).
CLO 3	Review how disruptions of normal developmental processes can impede maturation of normal vision and visual function in children.	PLO 1 Effectively communicate information in both oral and written formats. PLO 2 Work effectively with others PLO 3 Articulate advanced and integrated understanding of a complex body of knowledge in Vision Science and Optometry, and their areas of professional practice. PLO 4 Apply enquiry-based learning and analytical skills to adapt knowledge and skills in Vision Science and Optometry. PLO 5 Articulate broad and coherent disciplinary theoretical and technical knowledge in Vision Science and Optometry and their areas of practice PLO 7 Use enquiry-based learning and demonstrate analytical skills in the review, consolidation, and synthesis of knowledge in Vision Science and Optometry.	**Assessments 1 to 4 (Assessment 2: Essay questions on Development and Ageing)** (Group discussion and presentation and essay; mid-term and final exam).

CLO 4	Describe the normal expected changes of the eye and visual system over time with ageing and how this leads to deterioration of functional vision in later life	PLO 1 Effectively communicate information in both oral and written formats. PLO 2 Work effectively with others PLO 3 Articulate advanced and integrated understanding of a complex body of knowledge in Vision Science and Optometry, and their areas of professional practice. PLO 4 Apply enquiry-based learning and analytical skills to adapt knowledge and skills in Vision Science and Optometry. PLO 5 Articulate broad and coherent disciplinary theoretical and technical knowledge in Vision Science and Optometry and their areas of practice PLO 6 Demonstrate an awareness of national and international issues relevant to Vision Science and the Optometry profession.	**Assessments 1 to 4 (Assessment 2: Essay questions on Development and Ageing)** (Group discussion and presentation and essay; mid-term and final exam).
CLO 5	Describe the impact of limitations in cognitive or verbal ability, such as in the young, elderly or those with cognitive impairment, on clinical assessment and testing strategies.	PLO 1 Effectively communicate information in both oral and written formats. PLO 2 Work effectively with others PLO 3 Articulate advanced and integrated understanding of a complex body of knowledge in Vision Science and Optometry, and their areas of professional practice. PLO 4 Apply enquiry-based learning and analytical skills to adapt knowledge and skills in Vision Science and Optometry. PLO 5 Articulate broad and coherent disciplinary theoretical and technical knowledge in Vision Science and Optometry and their areas of practice PLO 6 Demonstrate an awareness of national and international issues relevant to Vision Science and the Optometry profession.	**Assessments 1 to 4 (Assessment 2: Essay questions on Development and Ageing)** (Group discussion and presentation and essay; mid-term and final exam).

CLO 6	Develop skills in teamwork, in finding and critically analyzing information, and in writing and verbal communication to inform clinical and scientific decision-making process in an intra and inter-disciplinary context.	PLO 1 Effectively communicate information in both oral and written formats. PLO 2 Work effectively with others PLO 4 Apply enquiry-based learning andanalytical skills to adapt knowledge andskills in Vision Science and Optometry	Lectures, Group discussion Written assignmentGroup presentation **Assessment 1, 2 (Essay questions: Development and Ageing)**

3. Strategies and approaches to learning

3.1 Learning and teaching activities.

INCLUDE OPTIONAL ACTIVITIES

- Teaching strategies: lectures, readings, group discussion activity that includes tutorial group presentation and discussion, and a written assignment.
- This course is part of a suite of Vision Science courses and provides the opportunity to delve more deeply into different aspects of the ageing and developing visual system, and so requires a greater level of independence in learning than previously.
- Lectures and face-to-face tutorials are important for students to think about course material and formulate and ask questions (on-line or in real time). The lecturers will guide the depth of knowledge required in the course. This course also draws on learning from other courses, such as anatomy and physiology, cell biology, genetics and vision science courses, and these courses will support your learning.
- Readings from peer-reviewed sources are an essential part of the course.
- The Group Discussion activity involves:

  Tutorial Group Presentations and Discussion (50% of Group Discussion assessment mark). Students will be allocated into groups and given a video or research article each week related to topics on development and ageing of the visual system for critical analysis and group presentation at each tutorial. To support their analysis, students will access other sources including podcasts. Students will be required to participate in discussion, and answer questions guided by the lecturer and their peers.
- There is a mid-term exam to assist in reviewing course materials and as preparation for the final

examination. There are review sessions before the mid-term and final examinations.

- The written assignment is an opportunity for each student to further develop critical scientific writing skills. The assignment will be a (1000 words +/- 10%) review of a topic related to development and/or aging of the visual system. The assignment will be released on week 5 and each student will be required to submit a draft to receive feedback (Week 7) and then submit the final version of the assignment during Week 9. Final feedback will be provided within 2 weeks of submission. The group discussion and written assignments are supported through a small group tutorial (from4 to 6 students per group) during the scheduled on-line *Other* class sessions.
- The final exam will assess knowledge of all course materials including lectures, tutorials, group and on-line discussions, and required readings (Topics 1 to 7). The final exam may include MCQs, short answer questions and extended answer questions. Feedback will be provided as the final course mark.
- There is an emphasis on communication skills in this course. Good clear communication ensures: 1) the community can understand what we learn, 2) new discoveries are conveyed in clear language by scientists to the public (and peers) for comment and action, and 3) assist research discoveries to be translated by policy makers or stakeholders in industry into real life outcomes.

3.2 Expectations of Students

Expectations of Students	Some components of this course are compulsory, and you are expected to participate. The compulsory course components, and the justification for their compulsory nature,are as follows: • Tutorial classes in this course must be attended (in-person or on-line). These groupswill help in developing critical thinking, research study design and discussion skills. The University uses email as an official form of communication for students. All UNSW studentshave their own email account. The School of Optometry and Vision Science will also make use of this form of communication. 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 if you do not check your Zmail.** For more information or if you are having connection or access problems, see: **IT Service Centre** https://www.myit.unsw.edu.au/ Telephone: 02 9385 1333 Contact Us: https://www.myit.unsw.edu.au/contact-us

4. Course schedule and structure

Some of this information is available on the *Online Handbook*[1] *and the UNSW Timetable*[2].

WEEK	LECTURE 1 Monday 1pm -3pm	TUTORIAL Grp 1 Tues 9 to 11am Grp 2 Tues 11 to 1pm Grp 3 Tues 4 to 6 pm Grp 4 Wed 4 to 6 pm *Online/(K-E15-G025 – Quad G025; G040)*	LECTURE 2 Thursday 9am-11am	OTHER ON-LINE Grp 1 Friday 10 am to 11 am Grp 2 Friday 11 am to 12 noon Grp 3 Friday 12 to 1pm Grp 4 Friday 2pm to 3 pm	OTHER INFORMATION ACTIVITIES AND RESOURCES
1 February 14th	**COURSE OVERVIEW, INTRODUCTION AND BACKGROUND** **Dr. Ingrid Jimenez** **(Online-Collaborate Ultra)**	**TIME TO REVIEW- SELF MODULE** *Condensed Anatomy Pre-recordings lectures and PDF slides* *A/Prof Michele Madigan* *See Moodle Site* *TOPIC 1* *Revision Topics*	**TOPIC 1: Life Span and Development** **Dr. Ingrid Jimenez** **(Online-Collaborate Ultra)**	**Evidence Based Practice** ***The EBP Process and Science Communication*** ***Dr. Ingrid Jimenez/Dr. Charles Chung*** **(Online-Collaborate Ultra)**	*Prepare First Discussion Activity:* *Read the article: Evidence-Base science communication (Via Topic 1 Leganto and UNSW Library on the Course Page)* *Review the following web site:* **https://www.eboptometry.com/**
2 February 21	**TOPIC 1. Development of the eye** **A/Prof Michele Madigan** **(Online-Collaborate Ultra)**	***TIME TO REVIEW-SELF MODULE*** *Review,Pre- recording lectures about Abnormal eye developing* *A/Prof Michele Madigan* *See Moodle Site TOPIC 1* *Revision Topics*	**TOPIC 2. Development of refractive errors** **Dr. Revathy Mani** **(Online-Collaborate Ultra)**	**TOPIC 1 ONLINE DISCUSSION- Movie Case analysis-** **Dr. Ingrid Jimenez** **(Online-Collaborate Ultra)**	*Prepare Discussion and Tutorial related to Movie case analysis- Follow the guidelines on Moodle Site section Tutorial guidelines Week 3*
3 February 28	**TOPIC 2. Development of refractive errors** **Dr. Revathy Mani** **(Online-Collaborate Ultra)**	**TOPIC 1** **GROUP PRESENTATIONS TUTORIAL** **Case analysis Presentation** **Dr. Ingrid Jimenez**	**TOPIC 3. Amblyopia** **A/Prof. Sieu Khuu** **(Pre-recording)**	**TOPIC 2, ONLINE DISCUSSION** **Dr. Revathy Mani** **(Online-Collaborate Ultra)**	*Review articles to be presented by groups at the tutorial/ prepare discussion*

4 **March 7**	**TOPIC 3. Amblyopia** **A/Prof Sieu Khuu** **(Pre-recording)**	**TOPIC 2** **GROUP PRESENTATIONS TUTORIAL** **Dr. Revathy Mani**	**TOPIC 3. Amblyopia** **Evidence -Treatments** **Dr. Revathy Mani** **(Pre-recording)**	**TOPIC 3. ONLINE DISCUSSIONS** **A/Prof Sieu Khuu** **(Online-Collaborate Ultra)**	*Review articles to be presented by groups at the tutorial/ prepare discussion*
5 **March 14**	**REVISION Q & A FOR MID-TERM TEST** **Topic 1 to 3 inclusive** **(Online-Collaborate Ultra)**	**TOPIC. 3 GROUP PRESENTATIONS TUTORIAL** **A/Prof Sieu Khuu**	**MID TERM TEST** **Includes Topics 1 to 3** **Moodle Online** **30 min-TIME SPECIFIC**	**TOPIC ONLINE DISCUSSIONS** **The ageing eyes** **A/Prof Michele Madigan** **(Online-Collaborate Ultra)**	*Review articles to be presented by groups at the tutorial/ prepare discussion*
6 **March 21**	**FLEXIBILITY WEEK**				
7 **March 28**	**TOPIC 4A. Eye and Visual System ageing** ***The ageing eyes*** **A/Prof Michele Madigan** **(Online-Collaborate Ultra)**	**TOPIC 4A. GROUP PRESENTATIONS TUTORIAL** **A/Prof Michele Madigan**	**TOPIC 4B. Eye and Visual System ageing** ***Ageing Visual System*** **Dr. Ingrid Jimenez** **(Online-Collaborate Ultra)**	**TIME FOR PREPARE AND SUBMIT DRAFT WRITTEN ASSESSMENT**	*Submission Draft Written assessment*
8 **April 4**	**TOPIC 5. Assessing Visual Function (young and elder people)** **Dr. Ingrid Jimenez and Dr. Vanessa Honson** **(Pre-recording)**	**TOPIC 4B and 5. GROUP PRESENTATIONS TUTORIAL** **Dr. Ingrid Jimenez**	**TOPIC 6 Age-related changes in cognition and impact overall visual function** **A/Prof Sieu Khuu** **(Pre-recording)**	**General feedback and comments Final written assignment** **Dr. Ingrid Jimenez** **(Online-Collaborate Ultra)**	*Review Lecture: Electrophysiology Moodle Site section TOPIC 5 Revision Topic*
9 **April 11**	**TOPIC 7. Public health ageing population/ impact of visual impairment and vision loss** **Prof. Lisa Keay** **(Online-Collaborate Ultra)**	**TIME TO PREPARE AND SUBMIT FINAL WRITTEN ASSESSMENT**	**TOPIC 7. Geriatric Optometry successful stories** **Dr. Ingrid Jimenez** **(Online-Collaborate Ultra)**	**NO ONLINE DISCUSSION** **April 15 Public Holyday**	*Submission Final Written assessment*
10 **April 18**	**NO CLASS PUBLIC HOLIDAY**	**TIME TO REVIEW COURSE MATERIAL FOR FINAL EXAM**	**REVIEW, REVISION, FINAL EXAM OVERVIEW** **(Online-Collaborate Ultra)**	**TIME TO REVIEW COURSE MATERIAL FOR FINAL EXAM**	*Review course material to prepare final exam*

5. Assessment

5.1 Assessment tasks

Task	Length	Weight	Due Date
Assessment1	**Group Discussion: this involves two parts:** Tutorial Group Presentation (10%) and Discussion (10 % group) Please revie General Guidelines for this assessment. Section Assessments Moodle Site.	**(20%)**	During tutorials Weeks 3,4,5,8 and Discussions/ other activity Weeks 1, 2,3,4 and 8
Assessment 2:	**Written assignment (individual)** The assignment will be a (1000 words +/- 10%) review of a topic related to development and/or aging of the visual system. Assessment criteria as per Marking in assessment -Guidelines (Moodle). Please revie General Guidelines for this assessment. Section Assessments Moodle Site.	**(30%)**	*Draft* to be submitted Week 7 *Final version* to be submitted Week 9
Assessment 3:	**Mid-Term examination**. 30 MIN on-line examination. Covers course material including on-line and tutorials; Topics 1 to 3 inclusive. Assessment criteria – accuracy of answers.	**20%**	Thursday March 14th Lecture 2 (9am to 11am)
Assessment 4:	**Final examination** A 1-to-1.5-hour on-line examination including all course material – lectures, recorded lectures, tutorials, group and on-line discussion, class reading as noted. Assessment criteria: accuracy ofanswers.	**30%**	Final examination period

Further information

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

UNSW assessment policy: Assessment Policy

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

5.2 Assessment criteria and standards

Assessment 1 Group Discussion (20%)

Tutorial Group Presentation (10%) **and discussion** (10%)

Students will be allocated into groups and given a video and/or research article each week related to topics on development and ageing of the visual system for critical analysis and group presentation at each tutorial.
To support their analysis, students will access other sources including podcasts.
Students will be required to participate in discussion, and answer questions guided by the lecturer and their peers.

Please see the comprehensive Assessment *Guidelines for Group Discussion* provided on Moodle site section Assessments.

Assessment 2 Written Assignment Assessment (30%)
Please see the comprehensive Assessment *Guidelines Written Assignment* provided on Moodle site section Assessments.

Assessment 3 - Mid-Term Exam (20%) and Assessment 4 - Final Examination (30%)

The mid-term exam will assess course material covered in the first 4 weeks of the term (Topics 1 to 3 inclusive) and will be scheduled during week 5. The exam may include MCQs, short answer questions and extended answer questions. Feedback provided on Moodle based on the accuracy of answers within 2 weeks of the exam.

The final exam will assess knowledge of all course materials including lectures, tutorials, group and on-line discussions, and required readings (Topics 1 to 7). The final exam may include MCQs and short answer questions. Feedback will be provided as the final course mark.

Full details of the exam formats and other issues will be provided by the Course Convenor during the Term. There will be revision sessions before each exam.

5.3 Submission of assessment tasks

Assignment Submissions	Assignments should be submitted via Moodle (electronic submission). This includes completed laboratory reports and logs which should be scanned/photographed and submitted via Moodle. 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. Marked assignments can be collected from the: • School Enquiry office **during counter opening hours**. You must show a valid student card to do this. 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/study/undergraduate-degrees/important-information-and-policies

Assessment Procedures **UNSW Assessment Policy[1]**	**SCHOOL OF OPTOMETRY AND VISION SCIENCE, UNSW** **SUPPLEMENTARY EXAMINATION INFORMATION, 2022** **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 and attach student's supporting documentation (such as a medical certificate). **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 Equitable Learning Support (formerly Disability Support Services) at https://student.unsw.edu.au/els/register 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 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 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 2022 WILL BE HELD AS FOLLOWS: FOR TERM 1:

- **STAGE 1-4* COURSES: WEDNESDAY, 18 MAY 2022 – FRIDAY, 20 MAY 2022**
- **THERE WILL BE NO SUPPLEMENTARY EXAMINATIONS FOR STAGE 5 STUDENTS IN TERM 1 2022**

FOR TERM 2:

- **STAGE 1-4 COURSES: WEDNESDAY, 31 AUGUST 2022 - FRIDAY, 2 SEPTEMBER 2022**
- **THERE WILL BE NO SUPPLEMENTARY EXAMINATIONS FOR STAGE 5 STUDENTS IN TERM 2 2022**

FOR TERM 3:

- **STAGE 5 COURSES ONLY: DURING THE WEEK OF MONDAY, 12 DECEMBER 2022 – FRIDAY, 16 DECEMBER 2022**
- **STAGE 1-4* COURSES: WEDNESDAY, 14 DECEMBER 2022 - FRIDAY, 16 DECEMBER 2022**

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, 23 November 2021

[1]UNSW Assessment Policy

5.4. Feedback on assessment

Task	Feedback		
	WHO	WHEN	HOW
1. Group Discussion: Tutorial presentation and discussion (*Other*)	Convenor Convenor/Lecturers	During tutorial presentations/ *Other*	Lecture assessment based on rubrics general class feedback on strengths and weaknesses
2. Written assignment: Essay	Course Convenor	Draft general feedback week 8 Final written assignment After week 10	Draft general feedback session. Final -Mark based on rubric feedback on strengths and weaknesses via Moodle/Turnitin
3. Mid-term exam	Course Convenor	Week 5	Marks on Moodle, general feedback on Moodle and review at the Tutorial
4. Final examination	Exam Section UNSW	N/A	Final course mark – Exam Section

6. Academic integrity, referencing and plagiarism

Referencing acknowledges 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 (please see below). Further information about referencing styles can be located at student.unsw.edu.au/referencing.

For this course we use the Vancouver style of referencing for written assessments. Please see links to Vancouver style:https://guides.lib.monash.edu/citing-referencing/vancouver
https://guides.library.uq.edu.au/referencing/vancouver

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.

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

7. Readings and resources

The course readings ('must-read' and optional) and recommended textbook chapters and other resources are accessible via VISN3111 Moodle and Leganto (UNSW Library) (Moodle link).

This will be a useful resource for all vision science and clinical optometry studies and beyond. Available via the UNSW Library (eBook) or at the UNSW Bookshop.

Suggested Useful Books:
1. Forrester JV, Dick AD, McMenamin PG, Lee, WR (2016) The Eye: Basic Sciences in Practice, W.B. Saunders, 4th edition. Available as an eBook *via* the UNSW Library or at the UNSW Bookshop.

2. Remington, LA (2012) Clinical Anatomy & Physiology of the Visual System, 3rd edition. Elsevier. VISN2111 Textbook; available as an eBook *via* the UNSW Library or at the UNSW Bookshop.

3. Rosner, J and Rosner J (1990). Pediatric optometry 2nd edition Butterworths; available as an *via* the UNSW Library or at the UNSW Bookshop

4. Cavallotti, Carlo AP and Luciano Cerulli, Age-Related Changes of the Human Eye (Humana Press, 2008). Available as an eBook *via* the UNSW Library or at the UNSW Bookshop

Required (mandatory) readings: may comprise chapters from textbooks or key articles and are indicated clearly on Leganto, or in lectures.

Recommended internet website: https://www.babycenter.com/pregnancy is an excellent resource starting from embryology, as you can track what else is developing along-side the eye and visual system.

8. Required Equipment, Training and Enabling Skills

Equipment Required	No special equipment is required for this course.
Enabling Skills Training Required to Complete this Course	Skills beyond the ELISE level online information literacy are expected and UNSW Library/Online Training/LOIS provide a series of tutorials that can be completed to enable this requirement. Students with limited English skills (related to writing, comprehension, oral delivery and grammar) are encouraged to visit the UNSW Learning Centre. On-line assistance via UNSW Library and Outreach Librarians is also available for all students. Some resources should be accessed. These will be available in the Course Administration Moodle section. These include links to UNSW resources for developing group work skills, discussion skills, essay writing skills, EndNote skills, and videos to watch regarding clinical procedures.

Course Evaluation and Development

Student feedback is gathered periodically by various means. Such feedback is considered carefully with a view to acting on it constructively wherever possible. This course outline conveys how feedback has helped to shape and develop this course.

Mechanisms of Review	Last Review Date	Comments or Changes Resulting from Reviews
Major Course Review	2018	The learning outcomes and assessments for this course were revised and approved by the university in late 2018.
myExperience 2	2020	Not available; new convenor 2021.

Work Health and Safety[3]	Information on relevant Occupational Health and Safety policies and expectations both at UNSW and if there are any school specific requirements. 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/about/information-and-policies/work-health-and-safety

Equity and Diversity	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 Equitable Learning Services (formerly Disability Support Services). Appointments with Equitable Learning Services are now being offered as video, phone and in person at the Kensington Campus. Contact ELS via Email: els@unsw.edu.au or https://student.unsw.edu.au/els 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.

	School Contact	**Faculty Contact**	**University Contact**
Student Complaint Procedure[4]	A/Prof Sieu Khuu s.khuu@unsw.edu.au Tel: 9385 4620	Professor Gary Velan Senior Vice Dean Education g.velan@unsw.edu.au Tel: 9385 1278	Student Conduct andIntegrity Unit Tel 02 9385 8515 Email: studentconduct@unsw.edu.au
University Counsellingand Psychological Services[5]	Information on Psychology and Wellness (Formerly known as Counselling and Psychological Services) is available at: https://www.counselling.unsw.edu.au/ Tel: 9385 5418		
Psychology and Wellness	Information on Psychology and Wellness: https://student.unsw.edu.au/counselling Telephone: Students in Australia: 02 9348 0084 (Monday - Friday 9am-5pm) or 1300 787 026 (after hours) International students not in Australia: +61 2 8905 0307 (any time of day or night) Students who visited Psychology and Wellness in 2021: 02 9385 5418 (Monday - Friday 9am-5pm)		

[2]myExperience process: https://teaching.unsw.edu.au/myexperience

[3]UNSW Work Health and Safety

[4]Student Complaint Procedure

[5]Psychology and Wellness

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
- Equitable Learning Services (formerly Disability Support Services): https://student.unsw.edu.au/els
- UNSW IT Service Centre: https://www.myit.unsw.edu.au/