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Faculty of Medicine and Health
School of Medical Sciences

PATH2202
PROCESSES IN DISEASE FOR HEALTH AND EXERCISE SCIENCE

COURSE OUTLINE

Term 3, 2021

CRICOS Provider Code 00098G

Table of Contents

Please read this manual/outline in conjunction with the following pages on the School of Medical Sciences website:

- Advice for Students
- Learning Resources

(or see "STUDENTS" tab at medicalsciences.med.unsw.edu.au)

Information about the course

NB: Some of this information is available in the UNSW Handbook

Year of Delivery	2021
Course Code	PATH2202
Course Name	Processes in Disease for Health and Exercise Science
Academic Unit	School of Medical Sciences
Level of Course	Stage 2, Undergraduate
Units of Credit	6 UOC
Session(s) Offered	Term 3
Assumed Knowledge, Prerequisites or Co-requisites	Pre-requisites: ANAT2111, BIOC2181 and PHSL2501
Hours per Week	4-5 hours
Number of Weeks	10 weeks
Commencement Date	15th September 2021

Summary of Course Structure (for details see 'Course Schedule')				
Component	**HPW**	**Time**	**Day**	**Location**
Lectures*	0-2	9-11 am	Wednesday	Online
Online modules	1	Freely accessible from the commencement of each topic		
Practical	1.5	12:00-1:30 pm	Thursday	Online
Tutorials**	1	9-10 am or 10-11 am	Friday	Online (See group list on Moodle)
Integration/feedback***	0-1	2-3 pm	Friday	Online
TOTAL	5-6			
Special Details	* Lectures are in weeks 1, 2, 4, 7, and 9 ** Online or face-to-face tutorial classes will be available if COVID restrictions allow. Students should select either an online or face-to-face class during class enrolment. Requests to change tutorial classes cannot be accommodated once the course starts. All tutorial classes will be online while stay at home orders are in place. *** Integration/feedback sessions are in weeks 3, 5, 8 and 10.			

Staff

Staff	Name	Contact Details
Course Convenor	A/Prof Cristan Herbert	Room 417, level 4 east Wallace Wurth Building (02) 9385 8679 or via Teams C.Herbert@unsw.edu.au
Course Co-Convenor	Dr Martin Weber	Martin.Weber@unsw.edu.au
Lecturers	Prof Gary Velan	G.Velan@unsw.edu.au
	Prof Nicodemus Tedla	N.Tedla@unsw.edu.au
	A/Prof Carolyn Broderick	C.Broderick@unsw.edu.au
	A/Prof Jeanette Thom	J.Thom@unsw.edu.au
	Dr Chaturaka Rodrigo	C.Rodrigo@unsw.edu.au
Tutors & Demonstrators	TBA	
Museum Manager	Mr Derek Williamson	Derek.Williamson@unsw.edu.au

Consultation time (Course convenor): Monday 12 – 3 pm or students can email to request an appointment at another time.

Academic and administrative enquiries

Administrative and general problems related to your attendance, or the content and conduct of the course, can in the first instance be addressed by consulting A/Prof Herbert by e-mail (C.Herbert@unsw.edu.au) copied to the co-convenor, and in the second instance be addressed by consulting A/Prof Shane Thomas, Head of the Department of Pathology (Shane.Thomas@unsw.edu.au). Students wishing to see their tutors or other members of staff should refer to the tutorial class allocation and tutor contact details which will be available on Moodle after the commencement of the course.

For SOMS student administrative matters, please submit enquiries online via UNSW Student Portal Web Forms http://unsw.to/webforms.

Email etiquette

When emailing staff, ensure the subject line begins with PATH2202, followed by the subject of the message (e.g., PATH2202 Practical classes). Ensure that you include your student number in your email. Appropriate salutations are appreciated (see here for a useful guide).

Students are advised that email is the official means by which the School of Medical Sciences at UNSW will communicate with you. All emails will be sent to your official UNSW email address (e.g., z1234567@student.unsw.edu.au), otherwise you MUST arrange for your official mail to be forwarded to your chosen address. The University recommends that you check your mail at least every other day. Facilities for checking email are available in the School of Medical Sciences and the University library. Further information and assistance is available from IT Service Centre on 9385 1333.

Course summary

Lectures, online modules, tutorials and practical classes aimed at increasing understanding of important disease processes. Comparisons between normal and abnormal cell, tissue and organ function will be made. These include processes of cell and tissue degeneration, acute and chronic inflammation, healing, vascular disease and neoplasia. Particular examples include diseases of practical importance such as pneumonia, rheumatoid arthritis, pulmonary embolism and myocardial infarction. Examples of common tumours will be introduced to demonstrate aberrations of cell growth and neoplasia.

PATH2202 is a 6 UOC course, available in Term 3 only. The course is a prerequisite for Stage 3 courses offered by the Department of Pathology. The course is suitable for students who plan a career in the health and exercise sciences.

Course aims

PATH2202 Processes in Disease for Health and Exercise Science has been developed to provide students with a broad understanding of the pathological basis of human disease, through study of the fundamental causes of disease at a macroscopic and molecular level. The general purpose of the course is to introduce students to the scientific approach to the study of disease.

The aims of the course are to:

1. Understand the pathological processes that underlie common human diseases.
2. Integrate and build on students' knowledge of anatomy (normal structure at a gross level), and physiology (normal function), by comparing normal structure and function with abnormalities caused by disease, and to introduce students to histopathology (features of disease at a microscopic level).
3. Introduce students to the terminology of pathology, in order to facilitate communication in future health-related education, research or clinical practice.
4. Provide a basis for understanding and interpretation of clinical scenarios students may encounter in future practice/studies.
5. Guide and improve students' ability to utilise appropriately the medical literature, facilitated by a scientific literacy workshop, a pathology assignment (see Assessment section) and the structure of tutorials.

Course learning outcomes

At the completion of this course, students should be able to:

1. Describe the causes, pathogenic mechanisms, macroscopic and microscopic appearances and clinical consequences of common diseases affecting humans.
2. Outline the causes, mechanisms and consequences of the following pathological processes:
    a. Acute inflammation
    b. Healing and chronic inflammation
    c. Vascular disease
    d. Neoplasia

3. Apply knowledge of pathological processes to common examples of specific human diseases, which include:

    a. Acute soft tissue injuries
    b. Pneumonia
    c. Rheumatoid arthritis
    d. Fractures
    e. Atherosclerosis
    f. Thromboembolism
    g. Myocardial infarction
    h. Colorectal carcinoma
    i. Breast carcinoma

4. Understand the roles of scientific literature in medical/scientific research and education and be able to utilise appropriately and cite scientific literature.
5. Develop awareness of personal perspective and professional skills including teamwork and reflective practice.

These outcomes will be achieved through study of the common patterns of tissue responses to injury, which are often referred to as pathological processes. To understand these processes, students will draw on knowledge of normal anatomy, biochemistry and physiology.

Learning outcomes 1-3 will be assessed via online module quizzes, integration/feedback sessions, formative tutorial quizzes, as well as mid-term and end-of-course examinations. Learning outcome 4 is achieved through the Scientific Writing Literacy Workshop and assessed via the Pathology Assignment. Learning outcome 5 is achieved through Teamwork activities in the tutorial and practical classes. Refer to the Assessment section for further details.

Graduate attributes developed in this course

Science Graduate Attributes	**Level of FOCUS** *0 = NO FOCUS* *1 = MINIMAL* *2 = MINOR* *3 = MAJOR*	**Activities / Assessment**
Information literacy	**3**	• Lectures • Online modules and Feedback/Integration sessions • Tutorial and practical classes • Pathology assignment • Online quizzes
Research, inquiry and analytical thinking abilities	**3**	• Pathology Assignment • Online modules and Feedback/Integration sessions • Tutorial quizzes
Communication	**2**	• Pathology assignment • Tutorials • Tutorial quizzes
Teamwork, collaborative and management skills	**2**	• Team-based learning in tutorials and tutorial quizzes • Practical classes

Relationship to other courses within the program

PATH2202 is a Stage 2 course in the Health and Exercise Science Program. It builds upon core Stage 1 subjects in Anatomy, Biochemistry, and Physiology by presenting lectures, tutorials, museum/case study sessions aimed at increasing understanding of important disease processes. There will be particular emphasis on clinical correlation with disease processes and the application of this knowledge in the discipline of Health and Exercise Science, especially as it relates to the management and assessment of patients in rehabilitative therapy.

Strategies and approaches to learning

The course employs a variety of teaching modes in order to facilitate your learning:

1. A collaborative, team-based approach to learning. It is anticipated that students will have an enhanced learning experience through the use of peer-teaching and team quizzes. You are also encouraged to utilise your allocated teams as study groups.
2. Online lectures, online modules and large-group interactive sessions introduce you to pathological processes, as well as specific examples of those processes affecting organs and tissues.
3. Tutorials centred on team-based learning activities, are designed to extend and amplify your understanding of lecture material, in an interactive format. You are encouraged to clarify any difficulties regarding the concepts discussed.
4. Online practical classes using specimens from the Museum of Human Disease and an online database of macroscopic images (BEST Network) are designed for you to apply knowledge of disease processes to macroscopic organs and tissues, and to correlate the changes with the clinical manifestations. Lectures will include some histopathological images to illustrate the microscopic appearances of the pathological processes, but this will not be the focus of practical classes or assessments. This allows for correlation between disease processes, changes in cells and tissues at the microscopic level, and the manifestations of disease.
5. A Scientific Writing Literacy Module aimed at fostering student graduate attributes in writing communication in science.
6. Learning is supported via Moodle and Teams. Announcements, timetables, online modules, lecture slides and audio, science writing literacy skills focus guide and other resources will be made available during the course.
7. The PATH2202 Student Manual contains specific learning objectives for each lecture, tutorial and practical class, together with the course timetable and background information.

Differences between PATH2201 and PATH2202

PATH2201 and PATH2202 have common overview lectures and some online modules, but separate tutorials, quizzes and exams. There are also differences between the practical classes:

- **PATH2201** students attend macroscopic and histopathology practical sessions.
- **PATH2202** students attend a weekly Clinicopathological Correlation Session, which includes museum specimens, but has more emphasis on the clinical setting of the disease and the relevance to Exercise Physiology.

Course schedule (PATH2202)

Wk	Day	Date	Time	Location	Instructor	Class	Title
1	Wed	15/09	9-11 am	Online	Velan; Weber	Lec	Concepts and classification of disease; Responses to injury
	Thu	16/09	12-1:30 pm	Online	Herbert; Weber	Prac	Museum Induction & Clinicopathological correlation I: Introduction to macroscopic specimens
	Fri	17/09	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 1: Classification of disease/Response to injury (Formative Quiz 1)
Topic 1: Acute inflammation							
2	Wed	22/09	9-11 am	Online	Velan	Lec	Overview lecture: Acute inflammation
	Thu	23/09	12-1:30 pm	Online	Herbert;	Prac	Clinicopathological correlation II: Acute soft tissue injury
	Fri	24/09	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 2: Acute inflammation I: Acute soft tissue injury
3	Thu	30/09	12-1:30 pm	Online	Herbert;	Prac	Clinicopathological correlation III: Acute bronchopneumonia
	Fri	1/10	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 3: Acute inflammation II: Pneumonia (Formative Quiz 2)
	Fri	1/10	11 am -12 pm	Online	Velan (TBC)	Sem	Integration/Feedback session: Acute inflammation
Topic 2: Healing and chronic inflammation							
4	Wed	6/10	9-11 am	Online	Herbert	Lec	Overview lecture: Healing and chronic inflammation
	Thu	7/10	12-1:30 pm	Online	Herbert;	Prac	Clinicopathological correlation IV: Fractures
	Fri	8/10	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 4: Healing
5	Thu	14/10	12-1:30 pm	Online	Herbert; Weber	**MID-TERM EXAM (covering weeks 1-3 inclusive)**	
	Fri	15/10	9-10 am or 10-11 am	Online	See class list (Moodle)	Tut	Tutorial 5: Chronic inflammation: Rheumatoid arthritis (Formative Quiz 3)
	Fri	15/10	11 am -12 pm	Online	Herbert	Sem	Integration/Feedback session: Healing and chronic inflammation

Wk	Day	Date	Time	Location	Instructor	Class	Title
6	Flexibility week – No classes						
Topic 3: Vascular diseases							
7	Wed	27/10	9-11 am	Online	Weber	Lec	Overview lecture: Thrombosis, embolism and infarction
	Thu	28/10	12-1:30 pm	Online	Weber	Prac	Clinicopathological correlation V: Deep venous thrombosis
	Fri	29/10	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 6: Vascular diseases I: Deep vein thrombosis
8	Wed	3/11	5 pm	Online (Moodle)	**PATHOLOGY ASSIGNMENT DUE**		
	Thu	4/11	12-1:30 pm	Online	Weber (TBC)	Prac	Clinicopathological correlation VI: Ischaemic heart disease
	Fri	5/11	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 7: Vascular disease II: Atherosclerosis and myocardial infarction (Formative Quiz 4)
	Fri	5/11	11 am -12 pm	Online	Weber (TBC)	Sem	Integration/Feedback session: Thrombosis, embolism, and infarction
Topic 4: Neoplasia							
9	Wed	10/11	9-11 am	Online	Tedla	Lec	Overview lecture: Neoplasia
	Thu	11/11	12-1:30 pm	Online	Herbert	Prac	Clinicopathological correlation VII: Colorectal carcinoma
	Fri	12/11	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 8: Disorders of growth I: Colonic masses
10	Thu	18/11	12-1:30 pm	Online	Weber	Prac	Clinicopathological correlation VIII: Breast carcinoma
	Fri	19/11	9-10 am or 10-11 am	Online or face-to-face	See class list (Moodle)	Tut	Tutorial 9: Disorders of growth II: Breast lumps (Formative Quiz 5)
	Fri	19/11	11 am -12 pm	Online	Tedla	Sem	Integration/Feedback session: Neoplasia

NOTE: Teaching activities may be subject to change; changes to the timetable will be announced on Moodle.

Online learning

Due to the impact of COVID-19, lectures and practical classes in PATH2202 will be delivered fully online using a combination of live online classes and self-directed online activities. Online or face-to-face tutorial classes will be available if COVID restrictions allow (Students should select either an online or face-to-face class during class enrolment; requests to change tutorial classes cannot be accommodated once the course starts). All tutorial classes will be online while stay at home orders are in place. A consistent approach will be applied to each of the 4 major topics (acute inflammation, healing and chronic inflammation, vascular disease and neoplasia) addressed during the course. Each topic will commence with an online overview lecture to provide key information and learning objectives. Specific examples relating to each topic will be provided via a series of interactive online modules which include animations and highlights as well as review quizzes with feedback. Online practical and tutorial classes will be used to provide examples and to reinforce concepts. Each topic will conclude with an interactive, online session focussed on integration of the topic content (Integration/feedback session). See the Additional Resources section for tips regarding online learning.

Online modules

Online modules relating to each topic will be made available for self-directed learning as outlined below. Specific learning objectives for each online module will be provided in the course manual and on Moodle. Review quizzes are included at end of each online module. Students must achieve a score of at least 80% in the review quiz for the module to be considered complete, but quizzes can be attempted multiple times. Students must complete the online modules BEFORE the relevant Integration/Feedback session (see dates below). The best score achieved in the review quizzes BEFORE THE EXPECTED COMPLETION DATE will contribute to the overall course mark. Quiz scores submitted after the completion date will not contribute to the overall course mark.

Week	Online Modules	Topic	Available	Expected completion
1/2	• Introduction to immune responses • Immunopathology	Introduction	Week 1	17th September (5pm)
3/4	• Soft-tissue injury • Pneumonia	Acute inflammation	Week 2	1st October (5pm)
5/6	• Healing • Rheumatoid arthritis	Healing & chronic inflammation	Week 4	15th October (5pm)
7/8	• Thrombosis and embolism • Atherosclerosis	Vascular diseases	Week 7	5th November (5pm)
9/10	• Disturbances of growth • Colorectal carcinoma • Breast carcinoma	Neoplasia	Week 9	19th November (5pm)

Integration/Feedback sessions

These online group sessions use Teams in combination with Echo 360 active learning tools via the UNSW Lecture Recordings+ service (LR+) to present in-class questions, including questions related to relevant case studies. Students respond anonymously to these questions using their laptops, tablets or mobile phones. Immediate feedback is provided by the lecturer, which is tailored to the overall class pattern of student responses. Responses do not contribute to the end of course mark. Note, these interactive sessions are most effective when there is significant student interaction.

Assessment tasks and feedback

Assessment task	Weight	Format	Due date
Online quizzes	15%	Online quizzes	Various
Mid-term exam	20%	1-hour exam	14 Oct
Pathology Assignment	20%	Report (2000 words)	3 Nov
End of course exam	45%	2-hour exam	TBC

Online quizzes (15%)

Students will complete several short quizzes at end of each online module. Quizzes can be attempted multiple times and the highest score achieved BEFORE THE EXPECTED COMPLETION DATE (outlined above) will contribute to the overall course mark. Quiz scores submitted after the completion date will not contribute to the overall course mark.

Knowledge & abilities assessed:

- Knowledge of the causes, pathogenic mechanisms, macroscopic and microscopic appearances and clinical consequences of common diseases affecting humans.
- Knowledge of causes, mechanisms and consequences of pathological processes, including: acute inflammation, chronic inflammation, vascular diseases and neoplasia.
- Apply knowledge of the aforementioned pathological processes to common examples of specific human diseases, including: acute soft tissue injury, pneumonia, rheumatoid arthritis, peptic ulcer disease, atherosclerosis, thromboembolism, myocardial infarction, colorectal carcinoma and breast carcinoma.

Feedback:
Feedback will be provided online at the completion of each quiz. Additional feedback will be provided during the online feedback/integration sessions that will be held at the end of each topic.

Mid-term exam (20%)

Students will complete a 1-hour exam in week 5. The exam will consist of 10 multiple choice questions and 1 short-answer question on any of the content covered in weeks 1-3 inclusive.

Knowledge & abilities assessed:

- Same as for the tutorial quizzes.

Feedback:
Feedback will be provided via Moodle.

Pathology assignment (20%)

The Pathology assignment assesses awareness of pathological processes, the roles of scientific literature in medical/scientific research and education, and the ability to utilise and cite scientific literature at an academic standard. Reflective practice will also be assessed.

Students will find a specimen of interest from the Museum of Human disease that is relevant to one of the pathological processes studied in this course:

1) Acute inflammation
2) Chronic inflammation
3) Thrombosis, embolism & infarction (vascular disease)
4) Neoplasia

Using this specimen as a starting point, students will complete an online annotation activity. Students will also write a report which describes background information on the relevant disease, how medical research has improved understanding of the disease, and includes a research question that if answered, would further enhance understanding of the disease. Students should utilise and cite appropriate medical/scientific literature at an academic standard in their reports.

Knowledge & abilities assessed:
Awareness of the role of scientific literature in medical/scientific research and education, and the ability to utilise and cite scientific literature at an academic standard. Reflective practice will also be assessed.

Feedback:
Students will receive peer-feedback on a draft of their assignments. Students will receive marks and feedback via Moodle.

End of course exam (45%)

Students will complete a 2-hour online exam on any/all content covered throughout the course. Part A will consist of 20 multiple choice questions, Part B will consist of 4 short-answer questions. The end of course exam will be schedule between the 26th November and 9th December (specific/time date TBA)
.

Knowledge & abilities assessed:

- Same as for the online quizzes.

Supplementary exam

If students are unable to attend the final exam due to ***exceptional*** circumstances (i.e. significant illness/misadventure) they may be offered an opportunity to sit a supplementary exam (at the discretion of the Department of Pathology). The supplementary exam period for Term 3, 2021 is 10th January to 14th January 2022. UNSW has a 'fit-to-sit' rule for assessments. 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 (https://student.unsw.edu.au/special-consideration).

Academic integrity and plagiarism

The Department of Pathology will not tolerate plagiarism in submitted written work. The University regards this as academic misconduct and imposes severe penalties. Evidence of plagiarism in submitted assignments, etc. will be thoroughly investigated and may be penalised by the award of a score of zero for the assessable work. Flagrant plagiarism will be directly referred to the Division of the Registrar for disciplinary action under UNSW rules.

https://student.unsw.edu.au/plagiarism

Your attention is drawn to the following extract from the above website:

"At UNSW **plagiarism** is using the words or ideas of others and passing them off as your own. Examples of plagiarism, including self-plagiarism, are:

Copying – Using the same or very similar words to the original text or idea without acknowledging the source or using quotation marks. This includes copying materials, ideas or concepts from a book, article, report or other written document, presentation, composition, artwork, design, drawing, circuitry, computer program or software, website, internet, other electronic resource, or another person's assignment, without appropriate acknowledgement.

Inappropriate paraphrasing – Changing a few words and phrases while mostly retaining the original structure and/or progression of ideas of the original, and information without acknowledgement.
This also applies in presentations where someone paraphrases another's ideas or words without credit and to piecing together quotes and paraphrases into a new whole, without appropriate referencing.

Collusion – Presenting work as independent work when it has been produced in whole or part in collusion with other people. Collusion includes

- students providing their work to another student before the due date, or for the purpose of them plagiarising at any time
- paying another person to perform an academic task and passing it off as your own
- stealing or acquiring another person's academic work and copying it
- offering to complete another person's work or seeking payment for completing academic work.
- This should not be confused with academic collaboration.

Inappropriate citation – Citing sources which have not been read, without acknowledging the 'secondary' source from which knowledge of them has been obtained.

Self-plagiarism – 'Self-plagiarism' occurs where an author republishes their own previously written work and presents it as new findings without referencing the earlier work, either in its entirety or partially. Self-plagiarism is also referred to as 'recycling', 'duplication', or 'multiple submissions of research findings' without disclosure. In the student context, self-plagiarism includes re-using parts of, or all of, a body of work that has already been submitted for assessment without proper citation."

Academic Skills Support has developed online modules titled 'Working with Academic Integrity'. It is highly recommended that all students complete these modules (approximately 1 hour in total): https://student.unsw.edu.au/aim

Academic Skills Support's website is the main repository for resources for staff and students on plagiarism and academic honesty. These resources can be located via: https://student.unsw.edu.au/skills

Academic Skills Support also provides substantial educational written materials, workshops, and tutorials to aid students, for example, in:

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

Individual assistance is available on request from Academic Skills Support.

Reading and resources

Textbook

You are expected to acquire the following text: Robbins Basic Pathology, 10th Ed. V. Kumar, A.K. Abbas & J.C. Aster (2018). Elsevier.
This text is also available as an e-book through the University Library:
Robbins Basic Pathology: Online

Students wishing to study the molecular biology or clinical features of diseases in greater depth might consider the purchase of the following text: Robbins and Cotran Pathologic Basis of Disease. 10th Ed. V. Kumar, A.K. Abbas & J.C. Aster. (2021). Elsevier.
The 9th edition is also available as an e-book through the University Library:
Robbins and Cotran Pathologic Basis of Disease (9th Ed): Online

Course manual

The PATH2202 Student Manual will be provided online, which outlines the learning objectives for each tutorial topic and practical class. The Pathology Manual contains a large amount of valuable information that will facilitate your study.

Required reading

All required readings are sourced from Robbins Basic Pathology, 10th Ed. A list of required readings for each week will be made available via Moodle. Completing the required reading before the relevant lectures/modules/practical classes will significantly enhance your understanding of the concepts presented.

Moodle

All relevant information relating to the course will be made available on Moodle, including PDFs for each of the tutorial and practical classes. Check the Moodle page regularly for announcements and updates to the course content. In particular, students should become familiar with the Glossary of Terms in Pathology which is available via a link on the Moodle page.

Recommended internet sites

“Images of Disease” (IOD) is a database of images used for teaching within the Department. The latest version of Images of Disease is now available online, optimised for smart phones and tablet computers, as well as Firefox, Chrome and Safari browsers on laptop or desktop computers – http://iod.med.unsw.edu.au (zID and zPass required). An interactive Images of Disease (IOD) app for iPhone and iPad is available to download from: https://itunes.apple.com/au/app/images-of-disease/id756150891?ls=1&mt=8.
You need to install the app on your device via the relevant link above. You can then unlock the full version of the app by tapping on the login button at the bottom of the screen, then entering your zID and zPass.

There are many resources available on the web, which vary from simple patient information brochures to online pathology courses to information on the latest research. Some general sites you may find useful are:
Centre for Disease Control (see especially ‘health topics A-Z’) http://www.cdc.gov/
University of Utah (tutorials and images on many of the topics covered)
http://library.med.utah.edu/WebPath/webpath.html
Medline Plus (‘health topics’ index of diseases with information)
http://www.nlm.nih.gov/medlineplus/healthtopics.html

Computer laboratories or study spaces

At the time of writing, students are not able to access to laboratories or study spaces on campus due to existing COVID restrictions. These restrictions may change throughout Term 3. Please refer to UNSW announcements for up-to-date information.
If COVID restrictions allow, students wishing to revise macroscopic specimens (pots) may be able to access the Museum of Human Disease, 9 am – 5 pm, Mon – Fri. Note that all students must be inducted into the Museum before access is granted. Museum induction will occur during the first Practical class.

Similarly, if COVID restrictions allow, student wishing to review Histopathology or Macroscopic images via the BEST Network may be able to use computers located in G06/G07 or G16/G17, Wallace Wurth Building.

Administrative matters

Important information to supplement this outline can be found at the following link:
https://medicalsciences.med.unsw.edu.au/students/undergraduate/advice-students

Expectations of students

Students are required to attend 80% of the tutorial and practical classes in order to sit the end-of-course exam. Students missing more than 2 tutorials will be required to contact the course convenor (A/Prof Herbert) to discuss their eligibility to sit the exam.

Assignment submissions

The Pathology Assignment is to be submitted electronically as a Word file or PDF file via Moodle. This will be subjected to a check for plagiarism using Turnitin software. Submissions must be made by 5pm on the due date.

Any late submissions will attract a penalty of 10% of the total mark per day or part thereof (including weekends). Keeping to a deadline is part of the assessment. In exceptional circumstances, (where a student has missed at least 3.5 weeks of university during the period of the assignment AND have documents to this effect AND have notified the course convenor in writing at least 2 weeks before the deadline), some concession may be offered and is provided on a case-by-case basis.

Training

In order for students to attend practical lessons or undertake personal revision in the Museum of Human Diseases, students must first attend an induction. A Museum induction will occur during the first practical class. Any student who does not attend this induction will not be permitted to participate in the practical classes or access the museum and will need to contact museum staff to schedule an induction.

Additional support for students

Equitable Learning Services

Students who have personal circumstances that require 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 Equitable Learning Services (02 9374 9201 or https://student.unsw.edu.au/els).

Student complaint procedure

Should any issues arise, students should initially try to resolve these directly with the people involved before making a complaint.

The way the university handles complaints is set out in the Student Complaints Procedure

School contacts:
Prof Nick Di Girolamo
SOMS Grievance Officer
(02) 9385 2538
N.Digirolamo@unsw.edu.au

University contact:
Student Conduct and Appeals Officer (SCAO) within the Office of the Pro-Vice-Chancellor (Students) and Registrar.
(02) 9385 8515
Studentcomplaints@unsw.edu.au

Additional resources

The following additional information may also be useful:

- Transitioning to Online Learning: https://www.covid19studyonline.unsw.edu.au/
- Guide to Online Study: https://student.unsw.edu.au/online-study
- UNSW Student Life Online: https://student.unsw.edu.au/help#main-content
- Student gateway: https://student.unsw.edu.au
- Academic skills and support: https://student.unsw.edu.au/academic-skills
- Student wellbeing, health and safety: https://student.unsw.edu.au/wellbeing
- UNSW IT Service Centre: www.it.unsw.edu.au/students/index.html

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
Course review	April 2021	Although lectures and practical classes will remain online, an option for online or face-to-face tutorial classes has been introduced (if COVID restrictions allow). Students should select either an online or face-to-face class during class enrolment. Requests to change tutorial classes cannot be accommodated once the course starts. All tutorial classes will be online while stay at home orders are in place. Online Smart-Sparrow modules used in practical classes have been updated and converted to H5P modules to enhance functionality. The mid-term and end-of-course exams will be held online via the Inspera platform.
Course review	July 2020	All course activities have been revised so that the course can be delivered fully online. Lectures, practical classes and tutorials will be delivered online using a combination of Microsoft Teams, Moodle, UNSW Lecture Recordings + and the BEST Network. The mid-term and end-of-course exams will be held online either via Moodle or Inspera (pilot project).
Course review	April 2019	Review quizzes and integration/feedback sessions will be changed to a summative assessment rather than a formative assessment Tutorial quizzes will be removed as an assessment task. However, they will be retained as a formative feedback activity. The media assignment will be revised to a Pathology assignment based on a specimen from the museum of human disease.
Major course review	April 2018	Review quizzes and integration/feedback sessions will be changed to a formative assessment rather than a summative assessment A mid-semester exam will be introduced at the beginning of week 6 in response to feedback from student representatives and MyExperince surveys. The online modules will be revised and refreshed. The media assignment will be revised to an individual task. The Moodle page will be extensively revised to simplify and enhance navigation. Acute soft-tissue injury and rheumatoid arthritis will be introduced to replace acute appendicitis and tuberculosis as examples of acute and chronic inflammation. Students in PATH2202 will now attend separate tutorial classes and integration/feedback sessions to students in PATH2201, to enable these classes to cater specifically for PATH2202 students. Completely separate quizzes, mid-semester and end-of-course exams will be provided to students in PATH2202.