HLTH3302

Principles in Health and Disease 2

Session 1, In person-scheduled-weekday, North Ryde 2022

Department of Chiropractic

Contents

General Information 2

Learning Outcomes 2

General Assessment Information 3

Assessment Tasks 5

Delivery and Resources 8

Policies and Procedures 9

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General Information

Unit convenor and teaching staff
Senior Lecturer
Stephney Whillier
stephney.whillier@mq.edu.au
Contact via email
75 Talavera road, room 2240
This is best arranged via email

Credit points
10

Prerequisites
130cp at 1000 level or above including HLTH2301 or HLTH215

Corequisites

Co-badged status
CHIR6302

Unit description
This unit provides students with further opportunity to explore the relationship between health and disease, from both the biological and psychological perspective. The common pathologies of each body system are studied, and their causes, mechanisms and effects are explored. The links between these disease mechanisms and their clinical manifestations is highlighted. By the completion of the unit, students will have a good knowledge of the major diseases of the body, and how they manifest in the patient. By studying a large number of human disease states, students will deepen their understanding of the complex relationship between ourselves and our environment.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Name the range of pathologies that can occur in each of the following systems: Cardiovascular, Respiratory, Lymphatic, Haematopoietic, Endocrine, Immune, Digestive, Urinary and Reproductive

ULO2: Name and define the common symptoms and signs that are associated with diseases of the body systems named above

ULO3: Describe the aetiology, epidemiology, pathogenesis and clinical manifestations for each disease studied

ULO4: For each disease studied, explain the relationship between its aetiology, pathogenesis and clinical manifestations

ULO5: Differentiate between diseases on the basis of aetiology, pathogenesis, epidemiology and clinical manifestations

ULO6: Explain the pathophysiological processes which can alter an individual's health status

ULO7: Explain the multifactorial nature in the development of disease states

ULO8: Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

General Assessment Information

Assessment Tasks Description

1. **Online Quizzes**: **Five (5) quizzes:** 10 minute quizzes to be completed online in WEEKS 4, 6, 8, 11 and 13 that will test **lecture and tutorial** material:
    1. Quiz 1 in week 4: cardiovascular pathophysiology
    2. Quiz 2 in week 6: lymphoid and haematopoietic pathophysiology
    3. Quiz 3 in week 8: endocrine pathophysiology
    4. Quiz 4 in week 11: digestive pathophysiology
    5. Quiz 5 in week 13: respiratory pathophysiology

The format will be multiple choice questions or fill in the missing word/s. Each quiz will open on Monday at 8am and close on Sunday at 11pm of that week. There will be absolutely no opportunity to submit a quiz after the closing time as answers are released at that point. If you have technical difficulties, email your answers to your convenor and they will be manually marked. If you email these after the closing time, they will not be marked. The quizzes will have a time limit of 12 minutes, and there will be only one submission per student. The resultant mark will be an **AVERAGE of the 5 quiz marks (please note, NOT best x of 5)**.

2. Mid-semester examination: This will cover the content of the first half of the semester (all work in the lectures and tutorials before the mid-semester break, i.e., from week 1 – 7). The exam is one hour and consists of short-answer questions. The questions are on the theory covered thus far and the ability to connect that knowledge to real life situations (e.g., clinical presentations). The exam will be done online – details to follow.

3. Final examination: This will cover the lecture and tutorial content for the entire semester. It tests your knowledge of the theory, and the ability to connect that knowledge to real life

situations (e.g., clinical presentations). It will consist of a 2 hour on-campus written exam with multiple choice questions, short answer questions and case studies. This exam is a hurdle and students must obtain a minimum of 50% to satisfy requirements for this unit and pass, irrespective of what their overall mark. If a student earns less than 50% in the final exam, they may qualify for a supplementary exam provided they have shown they have made an adequate attempt i.e., their result is over 40%. The maximum mark that can be obtained from the supplementary is 50%.

Examinations

The Semester 1 University Examination period is from: 6 - 24 June, 2022

You are expected to present yourself for examination at the time and place designated in the University examination timetable. The timetable will be available in draft form approximately eight weeks before the commencement of the examinations and in final form approximately four weeks before the commencement of the examinations:

http://www.timetables.mq.edu.au/exam

The only exception to not sitting an examination at the designated time is because of documented illness or unavoidable disruption. In these circumstances you may wish to consider applying for special consideration. The University's Special Consideration Policy can be found at: https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration. Information can also be found at https://students.mq.edu.au/study/my-study-program/special-consideration

Students with a pre-existing disability/health condition or prolonged adverse circumstances may be eligible for ongoing assistance and support. Such support is governed by other policies and may be sought and coordinated through Campus Wellbeing and Support Services.

If a supplementary examination is granted as a result of special consideration, the examination will be scheduled after the conclusion of the official examination period.

If you receive special consideration for the final exam, a supplementary exam will be scheduled in the interval between the regular exam period and the start of the next session. By making a special consideration application for the final exam you are declaring yourself available for a resit during the supplementary examination period and will not be eligible for a second special consideration approval based on pre-existing commitments. Please ensure you are familiar with the policy prior to submitting an application. You can check the supplementary exam information page on FSE101 in iLearn (bit.ly/FSESupp) for dates, and approved applicants will receive an

individual notification one week prior to the exam with the exact date and time of their supplementary examination.

NOTE: Supplementary exams may be in a different format to the exam set in the normal examination period.

You are advised that it is Macquarie University policy not to set early examinations for individuals or groups of students. You are expected to ensure that you are available until the end of the teaching semester that is the final day of the official examination period.

Returning Assessment Tasks

1. Quizzes: automatic feedback is given when the quiz is closed
2. Mid-semester exam: Students will receive feedback in the tutorial.
3. Examination: Papers will not be returned. Marks will be incorporated into the final unit grade.

Extensions and penalties

Extensions to assignments are at the discretion of the unit convenor. It is your responsibility to prove to the convenor that there has been unavoidable disruption. Marks will be deducted for late submissions in the absence of an approved extension.

Assessment Tasks

Name	Weighting	Hurdle	Due
iLearn online quizzes	20%	No	weeks 4, 6, 8, 11 and 13
End of semester final written examination	50%	Yes	During the examination period
Mid-semester examination	30%	No	Week 8

iLearn online quizzes

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 4 hours
Due: **weeks 4, 6, 8, 11 and 13**
Weighting: **20%**

The quizzes will be spread throughout the semester. Each quiz will be of 10 minutes duration,

and cover material that has been delivered in lectures and/or tutorials.

On successful completion you will be able to:

- Name the range of pathologies that can occur in each of the following systems: Cardiovascular, Respiratory, Lymphatic, Haematopoietic, Endocrine, Immune, Digestive, Urinary and Reproductive
- Name and define the common symptoms and signs that are associated with diseases of the body systems named above
- Describe the aetiology, epidemiology, pathogenesis and clinical manifestations for each disease studied
- For each disease studied, explain the relationship between its aetiology, pathogenesis and clinical manifestations
- Differentiate between diseases on the basis of aetiology, pathogenesis, epidemiology and clinical manifestations
- Explain the pathophysiological processes which can alter an individual's health status
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

End of semester final written examination

Assessment Type [1]: Examination
Indicative Time on Task [2]: 10 hours
Due: **During the examination period**
Weighting: **50%**
This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

This will cover the content of the entire semester. Questions will include multiple choice and short answer questions

On successful completion you will be able to:

- Name the range of pathologies that can occur in each of the following systems: Cardiovascular, Respiratory, Lymphatic, Haematopoietic, Endocrine, Immune, Digestive, Urinary and Reproductive
- Name and define the common symptoms and signs that are associated with diseases of

the body systems named above
- Describe the aetiology, epidemiology, pathogenesis and clinical manifestations for each disease studied
- For each disease studied, explain the relationship between its aetiology, pathogenesis and clinical manifestations
- Differentiate between diseases on the basis of aetiology, pathogenesis, epidemiology and clinical manifestations
- Explain the pathophysiological processes which can alter an individual's health status
- Explain the multifactorial nature in the development of disease states
- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

Mid-semester examination

Assessment Type [1]: Examination
Indicative Time on Task [2]: 6 hours
Due: **Week 8**
Weighting: **30%**

This will cover the content of the first half of the semester. Questions will be in short answer format.

On successful completion you will be able to:
- Name the range of pathologies that can occur in each of the following systems: Cardiovascular, Respiratory, Lymphatic, Haematopoietic, Endocrine, Immune, Digestive, Urinary and Reproductive
- Name and define the common symptoms and signs that are associated with diseases of the body systems named above
- Describe the aetiology, epidemiology, pathogenesis and clinical manifestations for each disease studied
- For each disease studied, explain the relationship between its aetiology, pathogenesis and clinical manifestations
- Differentiate between diseases on the basis of aetiology, pathogenesis, epidemiology and clinical manifestations
- Explain the pathophysiological processes which can alter an individual's health status
- Explain the multifactorial nature in the development of disease states

- Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit

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[1] If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the Writing Centre for academic skills support.

[2] Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

Delivery mode

This unit is characterised by a moderate degree of flexibility. It incorporates a variety of learning tools and media. It will comprise:

	ACTIVITY	Total
Lectures	1 × 2 hour lecture per week	2 hours per week, weeks 1-12
Tutorials	1 × 2 hours tutorial class per week, weeks 2 – 12 Note that you must attend just one tutorial a week	2 hours per week, weeks 2-12
Other	Revision, self-instructional learning, preparation for tutorials and readings from the manual/ text	6 - 8 hours per week

Please note that venues are subject to change until just before the start of the semester. So, for further details on class time and locations for this unit follow the link below:

http://students.mq.edu.au/student_admin/timetables

Unit Web Page

You can log in to iLearn System via the link listed below:

https://ilearn.mq.edu.au/login/MQ/

Your username is your student MQID. Your MQID and password have been mailed to you by the university. If you have lost them, go to the student portal: http://students.mq.edu.au/home

All lecture materials will be posted on ilearn, and there is also a link to ECHO360 for **audio**

recordings of the lectures.

Required and recommended resources

Required:

1. *HLTH3302/CHIR6302 Tutorial Course Manual* 2022 – This has been uploaded to iLearn. Please be sure to either download, print and bind the manual, or have an iPad or laptop to access the manual during the tutorial.
2. Craft JA *et al* (2018) Understanding Pathophysiology ANZ, 3rd Edition, Elsevier Australia.

Recommended:

- McCance KL *et al* (2019) Pathophysiology – The biologic basis of disease in adults and children, 8th Edition, Elsevier Australia.

A note about textbooks:

Textbooks for this unit can be purchased online from Booktopia **https://www.booktopia.com.au/coop**

The list of Macquarie University S1 2022 units and texts can be found on the **Booktopia website**.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Assessment Procedure
- Complaints Resolution Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

The Writing Centre

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study

- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues

Student Enquiries

Got a question? Ask us via AskMQ, or contact Service Connect.

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.