



HLTH2301

Principles in Health and Disease 1

Session 2, Special circumstance 2020

Department of Chiropractic

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Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group learning activities on campus for the second half-year, while keeping an online version available for those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face and online activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff

Roger Engel

roger.engel@mq.edu.au

Stephanie Marhoff-Beard

stephanie.marhoff-beard@mq.edu.au

Credit points

10

Prerequisites

20cp from ANAT1001 or HLTH108 or BIOL1110 or BIOL115 or BIOL1210 or BIOL108

Corequisites

Co-badged status

Unit description

This unit provides the students with the opportunity to explore the relationship between health and disease, from both the biological and psychosocial perspective. The diversity of stressors influencing the human body and mind is explored, and the response of the body to them is discussed. This includes adaptations at both cellular and tissue levels of organisation, inflammation, the immune response, tissue death and neoplasia. The immunisation debate and other relevant public health issues are explored. The relationship between the brain, 'mind', immune and endocrine systems is also studied. By the conclusion of this unit, students will have an 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: Demonstrate the appropriate use of terminology, within the disciplines of pathology and microbiology.

ULO2: Explain the multi-factorial nature of health and disease.

ULO3: Demonstrate a broad knowledge and understanding of medical microbiology and general pathological processes.

ULO4: Apply an understanding of the epidemiological aspects of disease, to issues such as immunisation, infection control and disease prevention.

Assessment Tasks

Name	Weighting	Hurdle	Due
Online final examination	50%	No	Examination period
Lab quizzes and test	25%	No	Weekly x 3 weeks
Ongoing quizzes	25%	No	Weekly: weeks 2-12

Online final examination

Assessment Type ¹: Examination

Indicative Time on Task ²: 24 hours

Due: **Examination period**

Weighting: **50%**

End of semester written examination

On successful completion you will be able to:

- Demonstrate the appropriate use of terminology, within the disciplines of pathology and microbiology.
- Explain the multi-factorial nature of health and disease.
- Demonstrate a broad knowledge and understanding of medical microbiology and general pathological processes.
- Apply an understanding of the epidemiological aspects of disease, to issues such as immunisation, infection control and disease prevention.

Lab quizzes and test

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 12 hours

Due: **Weekly x 3 weeks**

Weighting: **25%**

Two online lab quizzes and one online lab procedures test

On successful completion you will be able to:

- Demonstrate the appropriate use of terminology, within the disciplines of pathology and microbiology.
- Explain the multi-factorial nature of health and disease.
- Demonstrate a broad knowledge and understanding of medical microbiology and general pathological processes.
- Apply an understanding of the epidemiological aspects of disease, to issues such as immunisation, infection control and disease prevention.

Ongoing quizzes

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 12 hours

Due: **Weekly: weeks 2-12**

Weighting: **25%**

11 short quizzes completed over the semester during online tutorial classes.

On successful completion you will be able to:

- Demonstrate the appropriate use of terminology, within the disciplines of pathology and microbiology.
- Explain the multi-factorial nature of health and disease.
- Demonstrate a broad knowledge and understanding of medical microbiology and general pathological processes.
- Apply an understanding of the epidemiological aspects of disease, to issues such as immunisation, infection control and disease prevention.

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 1. Three hours of lectures (2 hrs on Wed, 1 hr on Thu) per week, weeks 1-13. 2. One x 1.5 hour tutorial per week, weeks 2-12. 3. Three x 2 hour online practicals per student, starting from week 2 4. Five to six hours per week self-instructional learning, readings from the text and exercises on lecture topics

Each student is required to attend only 3 online workshops on consecutive weeks. A student enrolled in the online Workshop cannot attend another Workshop without without prior written approval (email) from the unit convenor.

Required texts

1. HLTH2301 Tutorial workbook (available on iLearn only; to be printed by students)
2. *Understanding Pathophysiology by Judy Craft, Christopher Gordon & Adriana Tiziani; Mosby 2 Ed. 2014;ISBN 9780729541602

OR

K L McCance & S E Heuther. Pathophysiology. The Biological Basis for Disease in Adults and Children. Mosby. 7th Edition, 2015 ISBN: 9780323088541. Recommended reading

1. A medical dictionary (This will be useful for all health science units)
2. D. Anderson et al. 2015. Nester's Microbiology a Human Perspective. 8th Edition. McGraw-Hill, USA. ISBN: 9780073522593.
3. R. Goering et al. Mims' Medical Microbiology. Elsevier. 5 Ed. eBook ISBN: 9780702050299

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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](#)
- [Grade Appeal Policy](#)

- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

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

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/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

Student Support

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

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [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

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

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.