



CHIR6303

Medical Sciences B

Session 2, Special circumstance 2020

Department of Chiropractic

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Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

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

Christopher Burrell

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Credit points

10

Prerequisites

CHIR6302 or CHIR604

Corequisites

Co-badged status

HLTH3303

Unit description

This is another unit in which students continue to explore the relationship between health and disease, from both the biological and psychosocial perspective. The pathologies studied in this unit are those of the musculoskeletal, nervous and integumentary systems, as well as those relating to the eye and the ear. Their causes, mechanisms and effects are explored. The links between these disease mechanisms and their clinical manifestations is highlighted. By the completion of this unit, students will have completed their study of the major diseases of the body, and how they manifest in the patient. This will ultimately 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 pathologies that can occur in the nervous, musculoskeletal and integumentary systems, as well as those of the eye and ear.

ULO2: For each disorder, describe its aetiology, epidemiology, pathogenesis, pathophysiological mechanisms and clinical manifestations, and explain the relationship between each.

ULO3: Differentiate between diseases on the basis of aetiology, pathogenesis,

epidemiology and clinical manifestations.

ULO4: Explain the multifactorial nature of the development of disease states.

ULO5: Apply knowledge of anatomy, physiology, biochemistry and basic pathology, to develop the likely mode of progression of the diseases studied in this unit.

ULO6: Justify the need for chiropractors to have a sound knowledge and understanding of the diseases studied in this unit.

Assessment Tasks

Name	Weighting	Hurdle	Due
Online quizzes	5%	No	Weeks 4, 6, 8, 10 & 12
Final examination	60%	No	University Examination Period
Medical Science B Essay	5%	No	Week 9
Mid-term examination	30%	No	During lecture time Week 7

Online quizzes

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 10 hours

Due: **Weeks 4, 6, 8, 10 & 12**

Weighting: **5%**

Quizzes will occur online 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 pathologies that can occur in the nervous, musculoskeletal and integumentary systems, as well as those of the eye and ear.
- For each disorder, describe its aetiology, epidemiology, pathogenesis, pathophysiological mechanisms and clinical manifestations, and explain the relationship between each.
- Differentiate between diseases on the basis of aetiology, pathogenesis, epidemiology and clinical manifestations.
- Explain the multifactorial nature of 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.

Final examination

Assessment Type ¹: Examination

Indicative Time on Task ²: 25 hours

Due: **University Examination Period**

Weighting: **60%**

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 pathologies that can occur in the nervous, musculoskeletal and integumentary systems, as well as those of the eye and ear.
- For each disorder, describe its aetiology, epidemiology, pathogenesis, pathophysiological mechanisms and clinical manifestations, and explain the relationship between each.
- Differentiate between diseases on the basis of aetiology, pathogenesis, epidemiology and clinical manifestations.
- Explain the multifactorial nature of 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.

Medical Science B Essay

Assessment Type ¹: Essay

Indicative Time on Task ²: 10 hours

Due: **Week 9**

Weighting: **5%**

1500 word essay relating the material explored in this unit to the clinical practice of chiropractic.

On successful completion you will be able to:

- Justify the need for chiropractors to have a sound knowledge and understanding of the diseases studied in this unit.

Mid-term examination

Assessment Type ¹: Examination

Indicative Time on Task ²: 15 hours

Due: **During lecture time Week 7**

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 pathologies that can occur in the nervous, musculoskeletal and integumentary systems, as well as those of the eye and ear.
- For each disorder, describe its aetiology, epidemiology, pathogenesis, pathophysiological mechanisms and clinical manifestations, and explain the relationship between each.
- Differentiate between diseases on the basis of aetiology, pathogenesis, epidemiology and clinical manifestations.
- Explain the multifactorial nature of 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.

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

1. A 2-hour lecture (See iLearn page for more details)
2. A 2-hour tutorial (See iLearn page for more details)
3. 4-5 hours per week self-instructional learning, set readings from the text and exercises on lecture topics

Required Texts and/or Materials

1. Unit workbook for HLTH3303/CHIR6303 - available on iLearn unit page in PDF format.
2. J Craft et al. (2011) Understanding Pathophysiology, Mosby OR K L McCance & S E Heuther. (2010) Pathophysiology. The Biological Basis for Disease in Adults and Children. Mosby Highly

recommended: A medical dictionary (This will be useful for all health science units)

Required Technology Access

Unit web page: HLTH3303/CHIR6303 iLearn site - <https://ilearn.mq.edu.au/>

You will be asked for a username and password. 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/>

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 \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

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.

Changes since First Published

Date	Description
27/07/2020	Mid-semester exam time was wrong (needs to align with HLTH3303)