CHIR6302
Medical Sciences A
Session 1, In person-scheduled-weekday, North Ryde 2024
Department of Chiropractic

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General Information

Unit convenor and teaching staff
Convenor and lecturer
Stephney Whillier
stephney.whillier@mq.edu.au
Contact via 9850 9387
75 Talavera road, room 2240
by request

Tutor
Amy Melamet
amy.melamet@mq.edu.au

Tutor
Josh Fitzgerald
josh.fitzgerald@mq.edu.au

Credit points
10

Prerequisites
Admission to MChiroprac

Corequisites

Co-badged status
HLTH3302

Unit description
This unit examines the aetiology, epidemiology, pathophysiology, clinical presentation and differential diagnosis of common conditions of the cardiovascular, haematopoietic and lymphatic, endocrine, digestive and respiratory systems. Case studies are used to develop the ability to create a differential diagnosis based on clinical presentation and examination. The complexity of disease is discussed within the biopsychosocial framework that will deepen student 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:** Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems: Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems

**ULO2:** For each disease studied, explain the relationship between its aetiology, pathophysiology and clinical manifestations

**ULO3:** Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations

**ULO4:** Explain the multifactorial nature in 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.

General Assessment Information

Assessment Tasks Description

1. **Online Quizzes:** Five (5) quizzes: 12 minute quizzes to be completed online in WEEKS 4, 6, 9, 11 and 13 that will test lecture and tutorial material:
   - Quiz 1 in week 4: cardiovascular pathophysiology
   - Quiz 2 in week 6: lymphoid and haematopoietic pathophysiology
   - Quiz 3 in week 9: endocrine pathophysiology
   - Quiz 4 in week 11: digestive pathophysiology
   - Quiz 5 in week 13: respiratory pathophysiology

The format will be 11 multiple choice questions. 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).**

1. **Presentation:** Students choose a question in that week’s tutorial and give a
Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>iLearn online quizzes</td>
<td>20%</td>
<td>No</td>
<td>In weeks 4, 6, 9, 11 and 13</td>
</tr>
<tr>
<td>End of semester final written examination</td>
<td>60%</td>
<td>No</td>
<td>End of semester exam period</td>
</tr>
<tr>
<td>Presentation</td>
<td>20%</td>
<td>No</td>
<td>Allocated time in tutorials</td>
</tr>
</tbody>
</table>

iLearn online quizzes

Assessment Type: Quiz/Test
Indicative Time on Task: 20 hours
Due: In weeks 4, 6, 9, 11 and 13
Weighting: 20%

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

On successful completion you will be able to:

- Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems: Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems
- Demonstrate the fundamental skills required for decision-making and clinical reasoning

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 written exam with multiple choice questions, short answer questions and case studies.
on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations

- 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: Examination
Indicative Time on Task: 35 hours
Due: End of semester exam 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:

- Describe the aetiology, epidemiology, pathogenesis, pathophysiology and clinical manifestations for a range of pathologies that occur in each of the following systems: Cardiovascular, Respiratory, Haematopoietic and Lymphatic, Endocrine and Digestive systems
- For each disease studied, explain the relationship between its aetiology, pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- 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
- Justify the need for chiropractors to have a sound knowledge and understanding of the diseases studied in this unit.

**Presentation**

Assessment Type: Demonstration
Indicative Time on Task: 5 hours
Due: Allocated time in tutorials
Weighting: 20%

Students choose a question or case study in that week’s tutorial and give a presentation according to a rubric.
On successful completion you will be able to:

- For each disease studied, explain the relationship between its aetiology, pathophysiology and clinical manifestations
- Demonstrate the fundamental skills required for decision-making and clinical reasoning on the basis of aetiology, pathophysiology, epidemiology and clinical manifestations
- 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
- Justify the need for chiropractors to have a sound knowledge and understanding 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**

**Delivery mode**

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

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Lectures</td>
<td>1 × 2 hour lecture per week pre-recorded online 2 hours per week, weeks 1-12</td>
</tr>
<tr>
<td>Tutorials</td>
<td>1 × 2 hours tutorial class per week, weeks 2 – 12 2 hours per week, weeks 2-12</td>
</tr>
<tr>
<td>Note</td>
<td>that you must attend just one tutorial a week</td>
</tr>
<tr>
<td>Other</td>
<td>Revision, self-instructional learning, preparation for tutorials and readings from the manual/text 6 - 8 hours per week</td>
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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 recordings of the lectures.

Required and recommended resources

Required:

1. HLTH3302/CHIR6302 Tutorial Course Manual 2024 – 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.


Recommended:


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 Advocacy provides independent advice on MQ policies, procedures, and processes

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.

Inclusion and Diversity

Social inclusion at Macquarie University is about giving everyone who has the potential to benefit from higher education the opportunity to study at university, participate in campus life and flourish in their chosen field. The University has made significant moves to promote an equitable, diverse and exciting campus community for the benefit of staff and students. It is your responsibility to contribute towards the development of an inclusive culture and practice in the areas of learning and teaching, research, and service orientation and delivery. As a member of the Macquarie University community, you must not discriminate against or harass others based on their sex, gender, race, marital status, carers' responsibilities, disability, sexual orientation, age, political conviction or religious belief. All staff and students are expected to display appropriate behaviour that is conducive to a healthy learning environment for everyone.

Professionalism

In the Faculty of Medicine, Health and Human Sciences, professionalism is a key capability embedded in all our courses.

As part of developing professionalism, students are expected to attend all small group interactive sessions including clinical, practical, laboratory, work-integrated learning (e.g., PACE placements), and team-based learning activities. Some learning activities are recorded (e.g., face-to-face lectures), however you are encouraged to avoid relying upon such material as they...
do not recreate the whole learning experience and technical issues can and do occur. As an adult learner, we respect your decision to choose how you engage with your learning, but we would remind you that the learning opportunities we create for you have been done so to enable your success, and that by not engaging you may impact your ability to successfully complete this unit. We equally expect that you show respect for the academic staff who have worked hard to develop meaningful activities and prioritise your learning by communicating with them in advance if you are unable to attend a small group interactive session.

Another dimension of professionalism is having respect for your peers. It is the right of every student to learn in an environment that is free of disruption and distraction. Please arrive to all learning activities on time, and if you are unavoidably detained, please join activity as quietly as possible to minimise disruption. Phones and other electronic devices that produce noise and other distractions must be turned off prior to entering class. Where your own device (e.g., laptop) is being used for class-related activities, you are asked to close down all other applications to avoid distraction to you and others. Please treat your fellow students with the utmost respect. If you are uncomfortable participating in any specific activity, please let the relevant academic know.

Changes since First Published

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>12/02/2024</td>
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Unit information based on version 2024.01R of the Handbook