



# CHIR8505

## Diagnosis and Management 1

Session 1, Weekday attendance, North Ryde 2020

*Department of Chiropractic*

### Contents

---

<u>General Information</u>	2
<u>Learning Outcomes</u>	3
<u>General Assessment Information</u>	3
<u>Assessment Tasks</u>	3
<u>Delivery and Resources</u>	5
<u>Policies and Procedures</u>	7

---

#### **Disclaimer**

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.

## General Information

### Unit convenor and teaching staff

Convenor

Stephney Whillier

[stephney.whillier@mq.edu.au](mailto:stephney.whillier@mq.edu.au)

Contact via 9850 9387

17WW, 356

by appointment

lecturer

Hazel Jenkins

[hazel.jenkins@mq.edu.au](mailto:hazel.jenkins@mq.edu.au)

Contact via 9850 9383

17 WW, 347

by appointment

Credit points

10

Prerequisites

(CHIR8502 or CHIR874) and (CHIR8102 or CHIR892) and (CHIR8402 or CHIR917) and (CHIR8504 or CHIR919)

Corequisites

Co-badged status

Unit description

The focus of this unit is to continue to develop students' clinical reasoning skills, by exposing them to a range of clinical scenarios, which may be encountered in chiropractic practice. It aims to act as a 'virtual clinic', exposing students to a standardised range of clinical experiences. Students go over the case studies prior to the tutorials, and discuss them as a student-based group activity in the tutorials, in order to imitate the independence required in clinical practice. The clinical management of the patient includes nutritional, pharmacological and mental health interventions, and thus these studies are included in this unit.

CHIR8505 articulates with CHIR8506 with the two units together covering the full spectrum of clinically relevant conditions for chiropractors.

## 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:** Integrate and assess presented data (including history, physical examination, and investigations where appropriate) using problem-solving techniques to successfully diagnose patients presenting for chiropractic care across the lifespan

**ULO2:** Formulate patient-specific management plans under an evidence-based framework, including referral for further investigations or alternative management when appropriate.

**ULO3:** Outline commonly presented mental health conditions and consider how the patient's mental health status can influence their clinical presentation, their therapeutic relationship with the chiropractor, and the clinical outcomes

**ULO4:** Interpret a wide range of diagnostic images and evaluate how imaging findings will affect patient management

**ULO5:** Discuss drug usage relevant to chiropractic practice, including pharmacodynamics and pharmacokinetics, and explain the significance of toxicity, adverse reactions and contraindications

**ULO6:** Use current research to critically evaluate present nutritional information, issues and trends

## Assessment Tasks

### Coronavirus (COVID-19) Update

Assessment details are no longer provided here as a result of changes due to the Coronavirus (COVID-19) pandemic.

Students should consult [iLearn](#) for revised unit information.

[Find out more about the Coronavirus \(COVID-19\) and potential impacts on staff and students](#)

## General Assessment Information

### Online Case Study Quizzes

**Due: Weekly Weighting: 15%** Each week there will be a quiz available on iLearn. Each quiz will open on Monday at 8am and close on Sunday at 11pm. The first quiz will be posted on Monday of week 1. 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 30 minutes, and there will be only one submission per student.

The quizzes will contain 4 different types of questions:

1. Theory questions based around cases studies These will be from the required text: Beirman R. Cases in Differential Diagnosis for the Physical and Manipulative Therapies. Churchill Livingstone, 2012. The list of the cases that will be in each weeks' quiz can be found in this unit outline under "Unit Schedule: Tutorial: Case Studies & Evidence Informed Practice" Please note that the questions will be related to the conditions discussed in these cases but are designed to test knowledge accumulated through your years of study, not just the case study alone.
2. Radiology questions based around cases studies These will be from the required text: Beirman R. Cases in Differential Diagnosis for the Physical and Manipulative Therapies. Churchill Livingstone, 2012. The list of the cases that will be in each weeks quiz can be found in this unit outline under "Unit Schedule: Tutorial: Case Studies & Evidence Informed Practice" Please note that the radiology questions will be related to radiographic images provided in the question. These will be related to the conditions discussed in these cases but are designed to test knowledge accumulated through your years of study, not just the case study alone.
3. Nutrition questions based on lecture material from the previous week Nutrition questions will be present in quiz 2 onwards, and will test material covered in the lecture from the prior week
4. Mental health questions based on lecture material from the previous week Mental health questions will be present in quiz 2 onwards, and will test material covered in the lecture from the prior week

### **Pharmacology Written Assignment**

Due: Week 8 closing time Friday 1st May

Weighting: 10%

Each student will receive a patient profile which contains the list of 3 medications taken by this patient. Based on the information provided, answer the following:

- 1) Present screenshots of a reliable pharmacology source, which shows the indication, adverse-effects and contraindications of the drugs this patient is taking.
- 2) Does this combination of drugs point to a specific condition? Explain.

- 3) Present screenshots of possible interactions between the drugs taken (even if there is no interaction, please provide a screenshot)
- 4) Point out if any of the drugs can mimic musculoskeletal symptoms and signs. How this can affect chiropractic therapy/advice?
- 5) Choose one of the drugs and describe its mechanism of action. Are there any other drugs with the same mechanism of action? Give one example.

Important: please use your own words to describe the mechanism of action. A copied figure will not be accepted.

All information provided must be referenced using Vancouver style. Submit PDF file via Turnitin.

Rubric will be available in iLearn.

### **Radiology Slide Examination**

Due: **Week 13** Weighting: **15%** A slide examination, predominantly related to radiographic imaging, will be held in week 13. This will be held on Friday 5th June between 8-10am in 14SCO, T2. All students must be available for the full two hours.

An exam schedule and the format of the exam will be released during the semester

### **Case Study Examination**

Due: **Week 9, Monday 4<sup>th</sup> May, 8-9am**

Weighting: **20%**

A summative assessment of case study diagnosis and management. You will be provided with history and examination information and asked to present your diagnosis and a management plan. More information on the format of the exam will be provided throughout the semester.

### **Written Examination.**

Due: **University Examination Period** Weighting: **40%** The final exam will be on pharmacology, nutrition and mental health.

## **Delivery and Resources**

### **Coronavirus (COVID-19) Update**

Any references to on-campus delivery below may no longer be relevant due to COVID-19.

Please check here for updated delivery information: [https://ask.mq.edu.au/account/pub/display/unit\\_status](https://ask.mq.edu.au/account/pub/display/unit_status)

Delivery and resources

<b>Class</b>	<b>Date and time</b>	<b>Topic</b>
Tutorial	Mon 11am-1pm (11WW, 350), OR Tues 12-2pm (11WW, 350) OR Wed 9-11am (4WR, 210)	<p><i>Clinical Case studies – Diagnosis, diagnostic imaging and management</i></p> <p>Each week students will be presented with a selection of clinical scenarios, which will initiate the clinical problem solving activities for this class. Appropriate images will be examined and discussed. The management of the cases will be discussed. Focus will be on the role of the chiropractor.</p>
Lecture 1	Monday, 8-9 am, 4WR, 320.	<p><b>Nutrition</b></p> <p>Nutrition provides a firm foundation in energy and metabolism and the science of nutrition. It explores current nutritional trends and the perplexing question of what dietary advice should be based on.</p>
Lecture 2	Friday, 8-9 am, 4WR 220	<p><i>Mental health</i></p> <p>Students will be introduced to health psychology and the spectrum of wellness. They will explore the many models of health psychology. Abnormal psychology as defined by the DSM-V will be discussed. The threshold for identifying psychological distress, the process of screening, and the referral process will be elucidated</p>
Lecture 3	Friday 9-10 am, 4SCO, T4	<p><i>Clinical Pharmacology</i></p> <p>Pharmacology provides a basic understanding of the range of therapeutic drug classes and the names of some of the commonly used pharmacological agents in the treatments of common disorders. It explains the significance of toxicity, contraindication and adverse reactions.</p>

## Unit Web Page

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

<http://learn.mq.edu.au>

All lecture materials will be posted on ilearn\_ and there is also a link to ECHO360 for **audio** recordings of the lectures plus livestreaming.

## Required and Recommended Resources

### **Core:**

Beirman R. Cases in Differential Diagnosis for the Physical and Manipulative Therapies. Churchill Livingstone, 2012

### **Highly recommended:**

Souza, T. Differential Diagnosis for the Chiropractor

Yochum, T., & Rowe, L., 20, Essentials of Skeletal Radiology – Vols I & II, (ed.) Lippincott, William & Wilkins, Baltimore.

### **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 2020 units and texts can be found on the [Booktopia website](#).

## Tutorials:

### Case Studies & Evidence Informed Practice

The schedule of weekly tutorials is available on iLearn. It details the case studies that will be covered in the tutorials, the extra reading cases and the online quiz cases for theory and radiology, all laid out week by week. Please consult the schedule at the start of every week and prepare before coming to tutorials and go through the assigned cases before undertaking the weekly online quizzes. Attendance and participation in tutorials are a hurdle requirement and it is necessary to attend at least 8 of the 10 sessions.

## 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](mailto: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](http://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](mailto: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/](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.