



CHIR8506

Diagnosis and Management 2

Session 2, Weekday attendance, North Ryde 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

Convenor

Stephney Whillier

stephney.whillier@mq.edu.au

Contact via 9850 9387

17WW, 356

by appointment

Credit points

10

Prerequisites

CHIR8505 or CHIR931

Corequisites

Co-badged status

Unit description

The focus of this unit is to further expand student's clinical reasoning skills, by exposing them to the widest possible range of clinical scenarios which may be encountered in chiropractic practice. Acting as a 'virtual clinic', it will expose all students to a standardised range of increasingly complex clinical experiences. Students will be encouraged to complete a substantial proportion of unit activities outside formal class contact time, in order to imitate the independence required in clinical practice. CHIR8506 also includes studies in nutrition, mental health and public health.

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

ULO4: Use current research to critically evaluate present nutritional information, issues and trends.

ULO5: Discuss 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

ULO6: Discuss public health issues including the global and national burden of disease and appropriate prevention strategies, with specific reference to chiropractic practice within the Australian healthcare system.

General Assessment Information

Online Case Study Quizzes

Due: Weekly Weighting: 20% Each week there will be a quiz available on ilearn. Each quiz will open on Monday at 8am and close on Sunday at 11pm. 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 Josh (josh.fitzgerald@mq.edu.au) PRIOR to the quiz closing time 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 5 different types of questions:

1. Theory questions based around case 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 on the ilearn page. 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 case 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 week's quiz can be

found on the ilearn page. 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
5. Public health questions based on lecture material from the previous week. Public health questions will be present in quiz 2 onwards, and will test material covered in the lecture from the prior week

Tutorial Assessment

Due: Ongoing in Tutorials Weighting: 10

During one tutorial you will be required, in a group of 3 students, to develop and present a case study to the class. The case study should include relevant history, physical exam and investigative findings and enable discussion on differential diagnosis and management.

You will be marked on the content and delivery of your presentation, and marking will incorporate group and individual marks. A marking rubric and further details will be provided in the first tutorial.

You will be allotted a time and group during your scheduled tutorial and this will be distributed in the first week. If you fail to present at your allotted time and do not submit special consideration you will receive zero for this assessment.

Radiology Slide Examination

Due: Week 13 Weighting: 15%

This will be based on content covered in the weekly case studies. All previous material from CHIR8401 and CHIR8402 is assumed knowledge.

Case Management Examination

Due: Week 8

Weighting: 15%

This exam will be held during the nutrition lecture timeslot in week 8 (02/10/19) 10-11am. It will assess the ability to use information presented in a case study format to make appropriate clinical decisions, form a diagnostic statement and outline a proposed management program with consideration of patient prognosis and goals.

Written Examination.

Due: **University Examination Period** Weighting: **40%**

The final exam will be on public health, nutrition and mental health.

Assessment Tasks

Name	Weighting	Hurdle	Due
Case management exam	15%	No	Week 8, Friday 2/10/2020
In tutorial presentation	10%	No	ongoing
Radiology slide exam	15%	No	Week 13, Friday 6/11/2020
Theory exam	40%	No	in examination period
Online weekly quiz	20%	No	Weekly

Case management exam

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Week 8, Friday 2/10/2020**

Weighting: **15%**

Written exam based on preparing a management plan for a clinical case.

On successful completion you will be able to:

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

In tutorial presentation

Assessment Type ¹: Presentation

Indicative Time on Task ²: 5 hours

Due: **ongoing**

Weighting: **10%**

Small group presentations in tutorial of a clinical case.

On successful completion you will be able to:

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

Radiology slide exam

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 10 hours

Due: **Week 13, Friday 6/11/2020**

Weighting: **15%**

Slide exam based on radiographic image diagnosis and implications for clinical management

On successful completion you will be able to:

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

Theory exam

Assessment Type ¹: Examination

Indicative Time on Task ²: 15 hours

Due: **in examination period**

Weighting: **40%**

Theory examination to be held in the final exam period.

On successful completion you will be able to:

- Use current research to critically evaluate present nutritional information, issues and trends.
- Discuss 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
- Discuss public health issues including the global and national burden of disease and appropriate prevention strategies, with specific reference to chiropractic practice within the Australian healthcare system.

Online weekly quiz

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Weekly**

Weighting: **20%**

Weekly quizzes on ilearn.

On successful completion you will be able to:

- 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.
- Interpret a wide range of diagnostic images and evaluate how imaging findings will affect patient management
- Use current research to critically evaluate present nutritional information, issues and trends.
- Discuss 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
- Discuss public health issues including the global and national burden of disease and appropriate prevention strategies, with specific reference to chiropractic practice within the Australian healthcare system.

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 and resources

Class	Date and time	Topic
Tutorial	Mon 11-1pm, OR Mon 1 – 3pm OR Tues 1-3pm Monday tutorials are in 11WW, 350 Tuesday tutorial is online	<i>Clinical Case studies – Diagnosis, diagnostic imaging and management</i> 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.
Lecture 1	Thursday 8-9am, Online	<i>Public Health</i> The multidisciplinary science of promoting health and preventing disease through organised efforts of organisations, communities and individuals will be covered, and its relevance for chiropractic practice.
Lecture 2	Friday, 8-9am, online	<i>Mental health</i> The lecture stream from CHIR8501 continues into studies into specific disorders (somatic, conversion, personality, substance abuse, sleep, eating, developmental and neurocognitive) and chronic pain. Effective communication and motivational interviewing will also be discussed.
Lecture 3	Friday, 10 - 11am, online	<i>Nutrition</i> The body of knowledge and research on micronutrients will be explored. Body composition and homeostatic controls, metabolic syndrome and diabetes will be discussed. Specific nutritional needs (in pregnancy, breastfeeding and infancy, and in musculoskeletal inflammatory conditions) will provide additional information for clinical management.

3-4 hours per week related activities

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 audiovisual

recordings of the online lectures. The online lectures will either be pre-recordings or Zoom in real-time. The Zoom lectures will be recorded and a link provided on iLearn.

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.

Unit Schedule

Lecture 1 – Online: Public Health

The Public Health lectures will be a pre-recorded lecture stream. Lectures will be available weekly on Thursdays on ECHO.

Week	Lecture	Public Health Lecturer
1	<u>Introduction</u>	Michael Swain
2	<u>Public health impact of MSK</u>	Stephen Sharp
3	<u>Prevention of chronic disease</u>	Matthew Fernandez
4	<u>Unintentional and intentional injuries</u>	Reidar Lystad
5	<u>Tobacco, alcohol and drug abuse</u>	David McNaughton
6	<u>Population health</u>	Robert Bailey
7	<u>Food and nutrition</u>	Stephney Whillier
8	<u>Paediatric and aging people</u>	David McNaughton
9	<u>Physical fitness</u>	Ben Brown
10	<u>Communicable disease</u>	Curtis Rigney
11	<u>Environmental health</u>	Ben Brown
12	<u>Principles of health care systems and chiropractic integration</u>	Stephen Sharp

13	<u>Pharmacology performance enhancing drugs in sport</u>	Marina Santiago
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Lecture 2 - Friday 8-9 am: Mental Health

Pre-recorded online lectures available weekly every Friday on ECHO

2020 Weeks, starting Monday:	Friday Lecture	
W1 – 27 July	Somatic Disorders	Katherine Watson
W2 – 3 August	Conversion Disorders	Rebecca Anderson
W3 – 10 August	Chronic Pain Management	Rebecca Anderson
W4 – 17 August	Personality Disorders	Katherine Watson
W5 – 24 August	Substance Use Disorders	Rebecca Anderson
W6 – 31 August	Sleep Disorders	Rebecca Anderson
W7 – 7 September	Eating Disorders	Amy Talbot
Mid-semester Break: 14 – 27 September		
W8 – 28 September	Childhood Presentations and Developmental Disorders	Katherine Watson
W9 – 6 October	Neurocognitive Disorders	Katherine Watson
W10 – 12 October	Effective Communication Skills	Amy Talbot
W11 – 19 October	Motivational Interviewing Part 1	Amy Talbot
W12 – 26 October	Motivational interviewing Part 2	Amy Talbot
W13 – 2 November	None	

Lecture 3 – Friday 10 – 11AM: Nutrition

Zoom lectures at the appointed time, and recorded

WEEK NUMBER, Date	Lecture
W1 – 31 July	Introduction to the unit CHIR8506 Topic 1: Micronutrients – the vitamins
W2 – 7 August	Topic 1: Micronutrients – the vitamins
W3 – 14 August	Topic 1: Micronutrients – the vitamins
W4 – 21 August	Topic 2: Micronutrients – The minerals
W5 – 28 August	Topic 2: Micronutrients – The minerals
W6 – 4 September	Topic 2: Micronutrients – The minerals
W7 – 11 September	Topic 2: Micronutrient supplementation Topic 3: Therapeutic Goods Administration Topic 4: Body Composition, BMI, percent body fat
Mid-semester Break: 14 – 25 September	
W8 – 2 October	Topic 5: Specific Nutritional Needs: Pregnancy, breastfeeding and the infant (pre-recorded)
W9 – 9 October	Topic 5: Specific Nutritional Needs: musculoskeletal Inflammatory conditions
W10 – 16 October	Topic 6: <u>Homeostatic Control of Body Composition: hunger and satiety</u>
<u>W11 – 23 October</u>	Topic 7: Metabolic Syndrome and Diabetes Mellitus II
W12 – 30 October	Topic 7: Metabolic Syndrome and Diabetes Mellitus II
W13 – 6 November	No Lecture

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.