



CHIR919

Clinical Management

S2 Day 2019

Dept of Chiropractic

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Disclaimer

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General Information

Unit convenor and teaching staff

Lecturer

Matthew Fernandez

matthew.fernandez@mq.edu.au

Lecturer

Hazel Jenkins

hazel.jenkins@mq.edu.au

Rehab Tutor

Lucinda Slavin

lucinda.slavin@mq.edu.au

N/A

N/A

Lecturer and tutor

Melinda Brookes

melinda.brookes@mq.edu.au

Contact via melinda.brookes@mq.edu.au

Rehab Tutor

Kym Abbott

kym.abbott@mq.edu.au

N/A

N/A

Lecturer and tutor

Krystle Tran

krystle.tran@mq.edu.au

Lecturer and tutor

Aret Aboulian

aret.aboulian@mq.edu.au

Lecturer, tutor

Farouk Badawi

farouk.badawi@mq.edu.au

Co-convenor (rehab)

Curtis Rigney

curtis.rigney@mq.edu.au

Contact via email

17WW 367

Tuesday mornings from 9-11

Co-Convenor

Rosemary Giuriato

rosemary.giuriato@mq.edu.au

Contact via 98506992

17 WW, room 345

by appointment

Credit points

4

Prerequisites

CHIR873 and CHIR916 and CHIR918

Corequisites

CHIR874 and CHIR917

Co-badged status

Unit description

There are three areas of focus within this unit. Clinical reasoning skills are enhanced through experiential case presentations. This focus will allow the students to formulate clinical decisions based on the integrated knowledge gained from the varied clinical sciences and from the analyses learned from previous units. Another focus is patient management through active care and rehabilitation of the spine; rehabilitation of the extremities is introduced. The third focus is on preparation for clinic internship.

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:

Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations

Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs

Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise

Further develop skills for critical analysis of research

Undertake a junior internship period meeting assessments relating to the operations of

the clinic systems

Explain the role of outcome measures; describe their use and interpretation

Outline an appropriate physical examination and interpret the findings from physical examination

Be aware of the potential underlying pathological or dysfunctional condition as related to each examination procedure

General Assessment Information

Examination(s)

You are expected to present yourself for examination at the time and place designated in the University Examination Timetable. <http://www.timetables.mq.edu.au/exam>

The only exception to not sitting an examination at the designated time is because of documented illness or unavoidable disruption. In these circumstances you may wish to consider applying for Special Consideration. Information about unavoidable disruption and the special consideration process is available at Policy Central: <http://www.mq.edu.au/policy/>

If a Supplementary Examination is granted as a result of the Special Consideration process the examination will be scheduled after the conclusion of the official examination period. You are advised that it is Macquarie University policy not to set early examinations for individuals or groups of students. **All students are expected to ensure that they are available until the end of the teaching semester, that is, the final day of the official examination period.**

Extensions and penalties

Extensions to assignments is at the discretion of the unit convener. It is the responsibility of the student to prove to the convener that there has been unavoidable disruption. If accepted, marks will be deducted for late submissions in the absence of an approved extension.

Returning Assessment Tasks

1. The results of the rehab practical will be posted at the end of the exam period.
2. Assignment: Results will be available from the Turnitin link in Week 13. General feedback will be given during lecture.
3. Case management results will be posted within 10 working days of completion.
4. Jr. Internship will involve regular and rapid feedback.
5. OSCE results will be made available on iLearn.
6. Examination: Papers will not be returned. Marks will be incorporated into the final unit grade. Results will be posted after the exam period
7. Students must bring their own devices to assessments conducted in tutorials and junior clinic internship for marks to be entered directly

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Management Plan Assignment</u>	10%	No	week 7
<u>Junior Internship</u>	15%	No	Ongoing
<u>Final Rehab Practical</u>	20%	No	week 12 & 13
<u>Clinical Competency Exam</u>	0%	Yes	week 13
<u>Rehab Theory Final Exam</u>	20%	No	Exam Period
<u>Clinic Prep Theory Examination</u>	20%	Yes	Exam Period
<u>4 Clinical Assessments</u>	15%	No	weeks 12 & 13

Management Plan Assignment

Due: **week 7**

Weighting: **10%**

This assignment assesses a student's understanding of rehabilitation principles through the development of an original management plan based on provided history and examination findings.

On successful completion you will be able to:

- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop skills for critical analysis of research

Junior Internship

Due: **Ongoing**

Weighting: **15%**

You will participate in 20 hours in one of the Department's clinics in the role as a junior intern. Attendance is mandatory. Punctuality, appropriate personal cleanliness and appropriate dress as well as appropriate participation are also mandatory. Students will complete both reception duties in addition to observing senior interns during the delivering of treatment. During this internship period, every intern must competently complete the 'Consent Clinical Assessment' task on a new patient, meet competency in taking vitals, complete a competent Urinalysis and completion of an evidence based questionnaire task.

The initial marks awarded at the time of initial assessment will not be changed, however if a student does not meet competency, then they will be offered a retake in Week 12 or 13. A

maximum number of retakes is 2 for any given assessment. The assessment of each system must be demonstrated to be at a level of competency in order to pass this unit.

On successful completion you will be able to:

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems
- Explain the role of outcome measures; describe their use and interpretation

Final Rehab Practical

Due: **week 12 & 13**

Weighting: **20%**

Comprehensive assessment of rehab skills (assessment and management).

On successful completion you will be able to:

- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise

Clinical Competency Exam

Due: **week 13**

Weighting: **0%**

This is a hurdle assessment task (see [assessment policy](#) for more information on hurdle assessment tasks)

Integrated assessment involving knowledge from orthopaedics, neurology, physical examination, functional assessment, technique, and rehabilitation. This assessment requires a passing grade to continue into clinic. **This assessment is a Pass / Fail assessment**

On successful completion you will be able to:

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal

loading, and progressive exercise

- Outline an appropriate physical examination and interpret the findings from physical examination
- Be aware of the potential underlying pathological or dysfunctional condition as related to each examination procedure

Rehab Theory Final Exam

Due: **Exam Period**

Weighting: **20%**

Assessment of understanding of rehab principles

On successful completion you will be able to:

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise

Clinic Prep Theory Examination

Due: **Exam Period**

Weighting: **20%**

This is a hurdle assessment task (see [assessment policy](#) for more information on hurdle assessment tasks)

Assessment of principles taught in the Clinic Prep component

On successful completion you will be able to:

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

4 Clinical Assessments

Due: **weeks 12 & 13**

Weighting: **15%**

Assessment of students will be taken in weeks 12 &13 during the tutorial times. The assessments will be as follows:

Week 12 Cardiovascular and respiratory

Week 13 Gastrointestinal and vitals

On successful completion you will be able to:

- Outline an appropriate physical examination and interpret the findings from physical examination
- Be aware of the potential underlying pathological or dysfunctional condition as related to each examination procedure

Delivery and Resources

Delivery mode

Will be comprised of a combination of face-to-face lectures, pre-recorded lectures, self-directed learning, and hands-on tutorials:

1. 1 x two hour rehabilitation lecture per week
2. 1 x one hour clinical management lecture per week
3. 2 x two hour tutorials/practicals per week; 1 tutorial for rehabilitation, 1 tutorial for clinical management
4. 20 hours of junior internship which will also be conducted during the mid-semester break
5. 2-3 hours per week self instructional learning

Class times and locations

Lectures: will be held in

L1; Wednesday 13:00 to 14:00 pm in 14 SCO T3

L2; Friday 11:00 to 13:00 in 14 SCO T2

Monday Tutorials (T1): held in E5A 330 & 340; 9:00 - 11:00 or 11:00 to 13:00 pm

Wednesday Tutorials (T2): held in E5A 330 & 340; 14:00 to 16:00 pm or 16:00 to 18:00 pm

NB: Check with the University's timetable webpage to confirm room locations.

IMPORTANT: No tutorial attendance changes permitted after week 2

Required and recommended resources

- Required texts:
 - Liebenson. Rehabilitation of the Spine: a practitioner's manual 2nd ed. Raven Press

- Recommended texts:
 - Morris. Low Back Pain: Integrated. McGraw-hill
 - 2019 Department of Chiropractic Clinic Manual

Unit Schedule

Clinic Management Lecture schedule

Week	Week Commencing	Topic
1	29/07/2019	Introduction to unit, role of CBA, student responsibilities
2	05/08/2019	Professional letter writing
3	12/08/2019	Introduction to clinic paperwork
4	19/08/2019	Co-morbidities
5	26/08/2019	Post orthopaedic and general surgery patients
6	02/09/2019	Geriatrics
7	09/09/2019	Mental health
Mid Semester break		
8	30/09/2019	Pregnancy
9	07/10/2019	Paediatrics
10	14/10/2019	Practical paediatrics and pregnancy
11	21/10/2019	The 'inappropriate' patient
12	28/10/2019	OSCE no lecture
13	04/11/2019	OSCE 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.*)

Undergraduate students seeking more policy resources can visit the [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>).

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

In addition to the code of conduct as outlined in the Department's Clinic Manual, all student interns are bound by the Code of Conduct as outlined by the Chiropractic Board of Australia (CBA) whilst in attendance in the University Clinics <http://www.chiropracticboard.gov.au/Codes-guidelines/Code-of-conduct.aspx>

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 improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)

- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

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.

Graduate Capabilities

PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

Learning outcomes

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Further develop skills for critical analysis of research
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems
- Explain the role of outcome measures; describe their use and interpretation
- Outline an appropriate physical examination and interpret the findings from physical examination
- Be aware of the potential underlying pathological or dysfunctional condition as related to each examination procedure

Assessment tasks

- Management Plan Assignment
- Junior Internship
- Final Rehab Practical
- Clinical Competency Exam
- Rehab Theory Final Exam
- Clinic Prep Theory Examination
- 4 Clinical Assessments

PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

Learning outcomes

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop skills for critical analysis of research
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems
- Explain the role of outcome measures; describe their use and interpretation
- Outline an appropriate physical examination and interpret the findings from physical examination
- Be aware of the potential underlying pathological or dysfunctional condition as related to each examination procedure

Assessment tasks

- Management Plan Assignment
- Junior Internship
- Final Rehab Practical
- Clinical Competency Exam
- Rehab Theory Final Exam

- Clinic Prep Theory Examination
- 4 Clinical Assessments

PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

Learning outcomes

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop skills for critical analysis of research
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems
- Explain the role of outcome measures; describe their use and interpretation
- Outline an appropriate physical examination and interpret the findings from physical examination
- Be aware of the potential underlying pathological or dysfunctional condition as related to each examination procedure

Assessment tasks

- Management Plan Assignment
- Junior Internship
- Final Rehab Practical
- Clinical Competency Exam
- Rehab Theory Final Exam
- Clinic Prep Theory Examination
- 4 Clinical Assessments

PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create

new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

Learning outcomes

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop skills for critical analysis of research
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

Assessment tasks

- Management Plan Assignment
- Junior Internship
- Final Rehab Practical
- Clinical Competency Exam
- Rehab Theory Final Exam
- Clinic Prep Theory Examination

PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

Learning outcomes

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise

- Further develop skills for critical analysis of research
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems
- Explain the role of outcome measures; describe their use and interpretation
- Outline an appropriate physical examination and interpret the findings from physical examination

Assessment tasks

- Management Plan Assignment
- Junior Internship
- Final Rehab Practical
- Clinical Competency Exam
- 4 Clinical Assessments

PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

Learning outcomes

- Determine differential diagnoses based on historical, physical, functional information as well as information from special investigations
- Construct an appropriate approach to a patient interview and determine appropriate investigations based on individual patient needs
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop skills for critical analysis of research
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

Assessment tasks

- Management Plan Assignment
- Junior Internship
- Final Rehab Practical
- Clinical Competency Exam

- Rehab Theory Final Exam
- Clinic Prep Theory Examination

Changes from Previous Offering

No changes from previous offering

Disruption to Study Policy

Serious and unavoidable disruption: The University classifies a disruption as **serious and unavoidable** if it:

- could not have reasonably been anticipated, avoided or guarded against by the student; and
- was beyond the student's control; and
- caused substantial disruption to the student's capacity for effective study and/or completion of required work; and
- occurred during an event critical study period and was at least three (3) consecutive days duration, and/or
- prevented completion of a final examination.

Students with a pre-existing disability/health condition or prolonged adverse circumstances may be eligible for ongoing assistance and support. Such support is governed by other policies and may be sought and coordinated through [Campus Wellbeing and Support Services](#).

If a supplementary examination is granted as a result of the disruption to studies process the examination will be scheduled after the conclusion of the official examination period. (Individual Faculties may wish to signal when the Faculty Supplementary exams are normally scheduled.)

If you are granted a supplementary exam via the Disruption to Studies process, you will have to write a supplementary exam in the supplementary exam period. In this scenario, only your supplementary exam mark will count towards your final exam mark, irrespective of whether or not you attended the final exam in the normal examination period. The submission of a Disruption to Studies form should not be used as a 'just in case' strategy.

You are advised that it is Macquarie University policy not to set early examinations for individuals or groups of students. You are expected to ensure that you are available until the end of the teaching semester that is the final day of the official examination period.

Grade and Attendance Requirements

Attendance Requirements

You are to attend the tutorial in which you are enrolled. Permission to attend an alternative

tutorial requires permission from the unit convener. Attendance is mandated at a minimum of 80% attendance. Failing to meet this minimum attendance will have a negative impact on your grade. You must attend at your allocated time and clinic in order to meet a minimum of 90% attendance at your junior clinic internship shift.

Grades

This unit is included in one of the units impacted by the:

- [Fitness to Practice Procedure](#)

Achievement of grades will be based on the following criteria:

High Distinction: provides consistent evidence of deep and critical understanding in relation to the learning outcomes. There is substantial originality and insight in identifying, generating and communicating competing arguments, perspectives or problem solving approaches; critical evaluation of problems, their solutions and their implications; creativity in application.

Distinction: provides evidence of integration and evaluation of critical ideas, principles and theories, distinctive insight and ability in applying relevant skills and concepts in relation to learning outcomes. There is demonstration of frequent originality in defining and analysing issues or problems and providing solutions; and the use of means of communication appropriate to the discipline and the audience.

Credit: provides evidence of learning that goes beyond replication of content knowledge or skills relevant to the learning outcomes. There is demonstration of substantial understanding of fundamental concepts in the field of study and the ability to apply these concepts in a variety of contexts; plus communication of ideas fluently and clearly in terms of the conventions of the discipline.

Pass: provides sufficient evidence of the achievement of learning outcomes. There is demonstration of understanding and application of fundamental concepts of the field of study; and communication of information and ideas adequately in terms of the conventions of the discipline. The learning attainment is considered satisfactory or adequate or competent or capable in relation to the specified outcomes.

A passing mark for the final OSCE is required.

Fail: does not provide evidence of attainment of all learning outcomes.

There is missing or partial or superficial or faulty understanding and application of the fundamental concepts in the field of study; and incomplete, confusing or lacking communication

of ideas in ways that give little attention to the conventions of the discipline.

Outlined below are the necessary requirements for each grade level.

GRADE	REQUIREMENT
Pass	Meeting the Hurdle requirement plus a minimum of 50% of raw marks
Credit	Meeting the Hurdle requirement plus a minimum 65% total raw mark
Distinction	Meeting the Hurdle requirement plus a minimum 75% total raw mark
High Distinction	Meeting the Hurdle requirement plus a minimum 85% total raw mark

Hurdle Requirements and Serious Attempt Defined

There 2 Hurdles required to pass this unit

Hurdle 1) Clinic Prep Theory exam: must obtain 50% of available marks.

Hurdle 2) Must pass the Clinic Prep Competency: a pass/fail assessment. A student is given a maximum of 3 attempts to pass this hurdle assessment

Serious Attempt: Hurdle 1: a serious attempt is defined as earning within 5% of the hurdle requirement (50%). Hurdle 2: a student is allow up to 3 attempts to pass the hurdle assessment.

Second Chance: A supplementary Clinic prep theory exam will be offered to an individual who qualifies with a "serious attempt". Up to two additional attempts for the clinical competency examination.