



# CHIR919

## Clinical Management

S2 Day 2014

*Chiropractic*

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## General Information

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C5C 367

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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. Rehabilitation of the spine is another focus; 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

Demonstrate appropriate use of and performance of post – isometric relaxations

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

Further develop research skills

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

## 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 first practical will be posted within 10 working days and will be returned to the student
2. Assignment: Will be returned by Week 10. General feedback will be given during lecture and tutorial time
3. Case management results will be posted within 10 working days of completion.
4. Jr. Internship will involve regular and rapid feedback.
5. Group project results will be posted within 10 working days of completion.
6. Practice Assessment: Results will NOT be posted in accordance with Departmental policy.
7. OSCE results will not be made available in accordance with Departmental policy.
8. Examination: Papers will not be returned. Marks will be incorporated into the final unit grade.

## Assessment Tasks

Name	Weighting	Due
<a href="#"><u>Practical assessment 1</u></a>	5%	week 7
<a href="#"><u>Assignment 1</u></a>	10%	week 7
<a href="#"><u>Case Management</u></a>	15%	Week 7
<a href="#"><u>Junior Internship</u></a>	10%	Ongoing
<a href="#"><u>Group Presentation</u></a>	10%	Week 9
<a href="#"><u>Practical Assessment 2</u></a>	25%	week 13
<a href="#"><u>Clinical Competency Exam</u></a>	0%	week 13
<a href="#"><u>Theory Final Exams</u></a>	25%	Exam Period

### Practical assessment 1

Due: **week 7**

Weighting: **5%**

Assessment of understanding and performance of Post-isometric Relaxation and Sensory Motor Stimulation

On successful completion you will be able to:

- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise

### Assignment 1

Due: **week 7**

Weighting: **10%**

Will assess a student’s ability to document procedures, perform and interpret functional assessments, and diagram a rational aetiology. The assignment will also assess a student’s knowledge of anatomy and muscle function.

On successful completion you will be able to:

- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal

loading, and progressive exercise

## Case Management

Due: **Week 7**

Weighting: **15%**

Will occur during a Tuesday tutorial and will be a written assessment related to the process of making a diagnosis and developing a management plan.

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

## Junior Internship

Due: **Ongoing**

Weighting: **10%**

You will participate in 20 hours in one of the Department's clinics in the role as a junior intern. Attendance is mandatory. Punctuality, 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 whilst delivering treatment. During this internship period, every intern must competently complete the 'Consent Clinical Assessment' task.

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

## Group Presentation

Due: **Week 9**

Weighting: **10%**

Students will assign themselves to a group to research and present management of common neuromusculoskeletal conditions.

On successful completion you will be able to:

- Further develop research skills

## Practical Assessment 2

Due: **week 13**

Weighting: **25%**

Comprehensive assessment of rehab skills (assessment and management).

On successful completion you will be able to:

- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise

## Clinical Competency Exam

Due: **week 13**

Weighting: **0%**

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

## Theory Final Exams

Due: **Exam Period**

Weighting: **25%**

These will cover the discipline specific content of the entire semester.

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

- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise

## **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 during the mid-semester break
5. 2-3 hours per week self instructional learning

### **Class times and locations**

**Lectures:** will be held in C5C 230 (Forum)

**L1; Friday 10-12**

**L2; Tuesday 8-9am**

**Monday Tutorials (T1):** held in E5A 330 & 340

**Tuesday Tutorials (T2):** held in E5A 320

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

### **Required and recommended resources**

- Required texts:
  - Liebenson. Rehabilitation of the Spine: a practitioner's manual 2<sup>nd</sup> ed. Raven Press
  - Beirman. Cases in the differential diagnosis for physical and manipulative therapists  
ISBN: 9780729539975
- Required Course Notes: (available in co-op)
- CHIR919 Workbook

- Recommended texts:

- Morris. Low Back Pain: Integrated. McGraw-hill
- 2014 Department of Chiropractic Clinic Manual

## Unit Schedule

WEEK	TUTORIAL 1 REHAB (Mon)	LECTURE 1 REASONING (Tue)	TUTORIAL 2 REASONING (Tue)	LECTURE 2 REHAB (Fri)
Week 1 4-8/8	No Tutorial	Unit Intro/ scope of clinical management	No Tutorial	PNF/PIR (Chapter 19) CTR
Week 2 11-15/8	Length/PIR	The geriatric patient 1	Intro to tutorial format Case 1 Preparation for case 2	Spinal Loading (Chapter 15) MF
Week 3 18-22/8	Length/PIR	The geriatric patient 2	Case 2	Nerve Tension (Chapter 20) MF
Week 4 25-29/8	Length/PIR <b>Bullet Presentations (75min)</b>	The geriatric patient 3	Case 2  Written communication	Sensory Motor Stim./Management (Chapter 22) CTR
Week 5 1-5/9 <b>Class test</b>	SMS	Assessing mental status	Case 3	Exercise Science  MF
Week 6 8-12/9 <b>Spot</b>	SMS Plus	Clinic	Case 4/ Professionalism Integrity	Spinal Stabilization (Chapters 25 & 26) MF
Week 7 15-19/9 <b>Assign.</b>	Spinal Stabilisation <b>PIR / SMS Assessment</b>	Cases	Case 5 Individual work	Strength & Fitness  MF (pre-recorded)
Week 8 6-10/10 Labour day	No tutorial  Labour Day	The paediatric patient 1	Working with paediatric patients Case 6	Cervical/Thoracic Rehab HJ

Week 9 13-17/ 10	Exercise Therapy/ Core Stab	The paediatric patient 2	Case 6	Group Presentations  CTR
Week 10 20-24/ 10	Exercise Therapy/ Cervical/Thoracic	The paediatric patient 3	Case 7	Group Presentations  CTR
Week 11 27-31/ 10	Exercise Therapy/ Core Stab	The pregnant patient	Case 7	Group Presentations  CTR
Week 12 3-7/11	Revision	Unit Summary	OSCE preparation	Group Presentations  CTR
Week 13 10-14/ 11	Final Practical	OSCE	OSCE  (ortho, neuro, x-ray, physical, functional, technique)	NO LECTURE

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy [http://mq.edu.au/policy/docs/academic\\_honesty/policy.html](http://mq.edu.au/policy/docs/academic_honesty/policy.html)

Assessment Policy <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Grievance Management Policy [http://mq.edu.au/policy/docs/grievance\\_management/policy.html](http://mq.edu.au/policy/docs/grievance_management/policy.html)

Disruption to Studies Policy [http://www.mq.edu.au/policy/docs/disruption\\_studies/policy.html](http://www.mq.edu.au/policy/docs/disruption_studies/policy.html) *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of 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/support/student\\_conduct/](https://students.mq.edu.au/support/student_conduct/)

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](http://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](http://ask.mq.edu.au)

## IT Help

For help with University computer systems and technology, visit <http://informatics.mq.edu.au/help/>.

When using the University's IT, you must adhere to the [Acceptable Use Policy](#). The policy applies to all who connect to the MQ network including students.

## Graduate Capabilities

### 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
- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop research skills
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

## Assessment tasks

- Practical assessment 1
- Assignment 1
- Case Management
- Junior Internship
- Group Presentation
- Practical Assessment 2
- Clinical Competency Exam
- Theory Final Exams

## 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
- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal

loading, and progressive exercise

- Further develop research skills
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

## Assessment tasks

- Practical assessment 1
- Assignment 1
- Case Management
- Junior Internship
- Group Presentation
- Practical Assessment 2
- Clinical Competency Exam
- Theory Final Exams

## 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
- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop research skills
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

## Assessment tasks

- Practical assessment 1
- Assignment 1
- Case Management

- Junior Internship
- Group Presentation
- Practical Assessment 2
- Clinical Competency Exam
- Theory Final Exams

## 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
- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop research skills
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

### Assessment tasks

- Practical assessment 1
- Assignment 1
- Case Management
- Junior Internship
- Group Presentation
- Practical Assessment 2
- Clinical Competency Exam
- Theory Final Exams

## 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
- Demonstrate appropriate use of and performance of post – isometric relaxations
- Describe the rationale for and perform afferent therapies, core stabilization, spinal loading, and progressive exercise
- Further develop research skills
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

## **Assessment tasks**

- Practical assessment 1
- Assignment 1
- Case Management
- Junior Internship
- Group Presentation
- Practical Assessment 2
- Clinical Competency Exam
- Theory Final Exams

## **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

- Demonstrate appropriate use of and performance of post – isometric relaxations
- Further develop research skills
- Undertake a junior internship period meeting assessments relating to the operations of the clinic systems

## Assessment tasks

- Practical assessment 1
- Assignment 1
- Case Management
- Junior Internship
- Group Presentation
- Practical Assessment 2
- Clinical Competency Exam
- Theory Final Exams

## Changes from Previous Offering

No changes from previous offering

## 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 convenor. Attendance is mandated at a minimum of 85% 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

**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.

**Sometimes it helps to ‘translate’ these descriptions into numbers. So, what we expect from you in this unit, in order for you to attain a specific grade, is outlined below:**

GRADE	REQUIREMENT
Pass	A minimum of 60% in each of assessment PLUS a minimum 60% total raw mark; Must receive a passing mark for the OSCE assessment
Credit	A minimum of 60% in each of assessment; PLUS a minimum 70% total raw mark; Must receive a passing mark for the OSCE assessment
Distinction	A minimum of 60% in each of assessment; PLUS a minimum 80% total raw mark; Must receive a passing mark for the OSCE assessment
High Distinction	A minimum of 60% in each of assessment tasks; PLUS a minimum 85% total raw mark; Must receive a passing mark for the OSCE assessment