



# CHIR904

## Clinical Chiropractic 4

S2 Day 2018

*Dept of Chiropractic*

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## **General Information**

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Credit points

4

Prerequisites

CHIR903

Corequisites

Co-badged status

### Unit description

This unit further develops both Gonstead and Diversified manual techniques and introduces the student to a broader range of techniques commonly used in the management of patients who attend a chiropractic clinic. The unit emphasises evidence-based practice. The unit facilitates the student's competency in the assessment and management of a wide range of sports injuries in the chiropractic setting in Australia. Students will use a multidisciplinary team-based approach to achieve this goal.

## 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:

The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.

The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.

Competency in performing static and motion palpation on all joints in the body.

A comprehensive understanding of spinal joint mechanics.

A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a) A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) A basic knowledge of structural analysis as it relates to posture and dysfunction; c) The ability to demonstrate an appropriate level of care in the handling of a patient; d) The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.

The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

## General Assessment Information

### Hurdle Requirements and Serious Attempt Defined

A hurdle is a passing requirement for the unit. A serious attempt is the threshold when a second

chance will be provided as an opportunity to meet the hurdle requirement. CHIR904 has 1 hurdle.

Hurdle: To pass the unit a student must achieve clinical competency in manipulation across all three spinal regions. Clinical competency in a spinal region means a minimum aggregate mark of 50% for the Gonstead and Diversified OSCEs for that spinal region *i.e.* cervical, thoracic and lumbar/SI.

The student may be offered a supplementary practical assessment if they have achieved clinical competency in manipulation in two out of three spinal regions. Supplementary practical assessments will be held during the written examination period. If a student satisfies the other requirements to pass the unit but fails to achieve clinical competency in manipulation across more than one spinal region then the student will be considered not to have satisfied the minimum requirements to pass the unit and a Fail (F) grade will be awarded.

A student must obtain 50% of the combined available marks for each spinal region to pass the unit. A Serious attempt is defined as gaining a mark of 40-49% of the available marks in this section.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<u>1 Diversified OSCE</u>	15%	No	weeks 10/11
<u>2 Gonstead OSCE</u>	25%	No	Week 13
<u>3 Gonstead in-class assessment</u>	5%	No	Week 7
<u>4 Video assignments</u>	20%	No	Weeks 3, 5, 7 & 9
<u>5 Written examination</u>	35%	No	Examination period

### 1 Diversified OSCE

Due: **weeks 10/11**

Weighting: **15%**

Diversified OSCE

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures *i.e.* tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner

position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.

- A comprehensive understanding of spinal joint mechanics.
- A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a)A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b)A basic knowledge of structural analysis as it relates to posture and dysfunction; c)The ability to demonstrate an appropriate level of care in the handling of a patient; d)The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.

## 2 Gonstead OSCE

Due: **Week 13**

Weighting: **25%**

Gonstead OSCE

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A comprehensive understanding of spinal joint mechanics.
- A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a)A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b)A basic knowledge of structural analysis as it relates to posture and dysfunction; c)The ability to demonstrate an appropriate level of care in the handling of a patient; d)The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.

## 3 Gonstead in-class assessment

Due: **Week 7**

Weighting: **5%**

## Gonstead in-class test

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Competency in performing static and motion palpation on all joints in the body.
- A comprehensive understanding of spinal joint mechanics.
- A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a)A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b)A basic knowledge of structural analysis as it relates to posture and dysfunction; c)The ability to demonstrate an appropriate level of care in the handling of a patient; d)The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.

## 4 Video assignments

Due: **Weeks 3, 5, 7 & 9**

Weighting: **20%**

Technique video assignments (TAs)

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A comprehensive understanding of spinal joint mechanics.
- A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a)A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b)A basic



knowledge of structural analysis as it relates to posture and dysfunction; c)The ability to demonstrate an appropriate level of care in the handling of a patient; d)The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.

- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

## 5 Written examination

Due: **Examination period**

Weighting: **35%**

End of semester written examination

On successful completion you will be able to:

- A comprehensive understanding of spinal joint mechanics.
- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

## Delivery and Resources

- Number and length of classes per week:
  - 3 x 1 hour lectures
  - 1 x 1 hour Diversified tutorial
  - 2 x 2 hour Gonstead tutorial
  - 1 x 1 hour Diversified tutorial (nominated students only)
- The timetable for classes can be found on the University web site at:

<http://www.timetables.mq.edu.au/>

- **Please check iLearn for announcements.**
- **Tutorial attendance/participation is required and will be factored into the final grade.**

## Unit Schedule

CHIR 904 Syllabus – 2018				
Week	Day	Topic	Lecturer	Tutorial
1	Tues 8-9	Manual therapy & COPD	Roger Engel (RE)	Gonstead
	Wed 8-9	Gonstead	Angelo Angelopoulos (AA)	Gonstead
	Thurs 8-9	Hockey	RE	
2	Tues 8-9	Diversified	Stephen Esposito (SE)	Gonstead
	Wed 8-9	Gonstead	AA	Gonstead
	Thurs 8-9	Rowing	RE	
3	Tues 8-9	Falls prevention	RE	Gonstead
	Wed 8-9	Gonstead	AA	Gonstead
	Thurs 8-9	Football (soccer)	Mario Pribicevic (MP)	
4	Tues 8-9	Diversified	SE	Gonstead
	Wed 8-9	Gonstead	AA	Gonstead
	Thurs 8-9	Tennis	MP	
5	Tues 8-9	Case Panel 1	Panel	Gonstead
	Wed 8-9	Case Panel 2	Panel	Gonstead
	Thurs 8-9	Swimming	George Dragasevich	
6	Tues 8-9	Headaches	Craig Moore	Gonstead
	Wed 8-9	Case Panel 3	Panel	Gonstead
	Thurs 8-9	Scoliosis - adolescent	Jeb McAviney	
7	Tues 8-9	Case Panel 4	Panel	Gonstead
	Wed 8-9	Case Panel 5	Panel	Gonstead In-class test

	Thurs 8-9	Scoliosis - degenerative	Ben Brown	
<b>XXX</b>	<b>RECESS</b>	<b>XXXXXXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXXXXXXXX</b>
8	Tues 8-9	Diversified	SE	Gonstead
	Wed 8-9	Gonstead	AA	Gonstead
	Thurs 8-9	Basketball	MP	
9	Tues 8-9	Diversified	SE	Gonstead
	Wed 8-9	Gonstead	AA	Gonstead
	Thurs 8-9	Surfing	MP	
10	Tues 8-9	Diversified	SE	Gonstead
	Wed 8-9	Gonstead	AA	Gonstead
	Thurs 8-9	Combat sports	Reidar Lystad	
11	Tues 8-9	NO LECTURE	XXXXXXXX	<b>Diversified OSCE</b>
	Wed 8-9	Gonstead	AA	Gonstead
	Thurs 8-9	Cricket	MP	
12	Tues 8-9	NO LECTURE	XXXXXXXX	<b>Diversified OSCE</b>
	Wed 8-9	Revision	RE	Gonstead
	Thurs 8-9	Gymnastics	MP	
13	Tues 8-9	xxxxxxxxxx	No lecture	<b>Gonstead OSCE</b>
	Wed 8-9	xxxxxxxxxx	No lecture	<b>Gonstead OSCE</b>
	Thurs 8-9	xxxxxxxxxx	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) (<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 shown in *iLearn*, 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](http://ask.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 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://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.

## 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

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Competency in performing static and motion palpation on all joints in the body.
- A comprehensive understanding of spinal joint mechanics.
- A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a) A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) A basic knowledge of structural analysis as it relates to posture and dysfunction; c) The ability to demonstrate an appropriate level of care in the handling of a patient; d) The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.
- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by

practitioners in the field.

## **Assessment tasks**

- 1 Diversified OSCE
- 2 Gonstead OSCE
- 4 Video assignments

## **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**

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
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- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

## **Assessment tasks**

- 1 Diversified OSCE
- 2 Gonstead OSCE
- 3 Gonstead in-class assessment

- 4 Video assignments
- 5 Written examination

## 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

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A comprehensive understanding of spinal joint mechanics.
- A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a)A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b)A basic knowledge of structural analysis as it relates to posture and dysfunction; c)The ability to demonstrate an appropriate level of care in the handling of a patient; d)The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.
- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

### Assessment tasks

- 1 Diversified OSCE
- 2 Gonstead OSCE
- 3 Gonstead in-class assessment
- 4 Video assignments
- 5 Written examination

## 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 outcome

- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

### Assessment task

- 5 Written 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

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills associated with these procedures i.e. tactile/palpation skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Competency in performing static and motion palpation on all joints in the body.
- A thorough knowledge of the clinical anatomy of all joints of the body and the biomechanics of these joints including: a)A thorough knowledge of the biomechanical effects of an adjustment or mobilisation and the indications for their use; b)A basic knowledge of structural analysis as it relates to posture and dysfunction; c)The ability to demonstrate an appropriate level of care in the handling of a patient; d)The ability to demonstrate orthopaedic testing, motion palpation and static palpation findings, indications and contraindication testing for each technique and methods of modification to suit special circumstances.



- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

## **Assessment task**

- 4 Video assignments

## **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 outcome**

- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.