



CHIR891

Clinical Chiropractic 1

S1 Day 2014

Chiropractic

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General Information

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Credit points

4

Prerequisites

Admission to MChiroprac

Corequisites

Co-badged status

Unit description

This unit provides a thorough coverage of chiropractic technique including spinal and peripheral joint manipulative procedures, as well as physical assessment procedures such as static and motion palpation. The unit covers one technique in detail; Diversified, as well as peripheral joint mobilisation and manipulation. By the completion of this unit students will be well grounded in a range of spinal manipulative techniques. Major themes relating to evidence-based practice (EBP) continue to be developed.

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 adjustment and/or mobilisations with the appropriate associated skills; i.e. advanced tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.

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

The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.

Understanding of spinal joint normal and pathological biomechanics

Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".

Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

Assessment Tasks

Name	Weighting	Due
Tutorial attendance	0%	Ongoing
ICA (3x)	0%	Rolling
iLearn Quiz 1	5%	End of week 4
iLearn Quiz 2	5%	End of week 6
iLearn Quiz 3	5%	End of week 9
iLearn Quiz 4	5%	End of week 11
FoCA (2x10%)	20%	Week 6 & week 11
OSCE	30%	Week 13
End of semester written exam	30%	University Examination Period

Tutorial attendance

Due: **Ongoing**

Weighting: **0%**

On successful completion you will be able to:

- The ability to perform spinal adjustment and/or mobilisations with the appropriate associated skills; i.e. advanced tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control adjustment/mobilisation procedures with regard to patient body type, patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.
- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

ICA (3x)

Due: **Rolling**

Weighting: **0%**

An In Class Adjustment (ICA) is a task that aims to help you develop the challenging skill of 'putting it all together'. You will need to address the clinical presentation of a fellow student. You need to take a case history, conduct a physical examination, develop a treatment plan, deliver the first adjustment of that treatment plan, conduct a post treatment examination and appropriately record all aspects of this clinical interaction.

You will work independently up to the point of performing the adjustment. At that point you shall consult a tutor about the case you have worked up. Your tutor will discuss the clinical presentation with you and provide feedback on your clinical interaction, reasoning and records up to that point. Your tutor will then either agree with your proposed adjustment or propose an alternate approach. You will then perform the adjustment or other procedure under the observation of your tutor who will then offer immediate feedback on your performance.

The ICAs are a crucial part of your development as a Chiropractor. We have weighted these tasks at 0% to encourage you to seek feedback on your performance of the techniques and procedures that you find more challenging.

On successful completion you will be able to:

- The ability to perform spinal adjustment and/or mobilisations with the appropriate associated skills; i.e. advanced tactile/palpatory skills and hand/body/eye co-ordination

of practitioner movements.

- The ability to control adjustment/mobilisation procedures with regard to patient body type, patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".

iLearn Quiz 1

Due: **End of week 4**

Weighting: **5%**

Online Quiz covering material from weeks 1, 2, 3 & 4.

The quiz will be available online Thursday evening at 6pm and will stay open for 24 hours closing 6pm Friday evening of week 4.

On successful completion you will be able to:

- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

iLearn Quiz 2

Due: **End of week 6**

Weighting: **5%**

Online Quiz covering material from weeks 3, 4, 5 & 6.

The quiz will be available online Thursday evening at 6pm and will stay open for 24 hours closing 6pm Friday evening of week 6.

On successful completion you will be able to:

- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

iLearn Quiz 3

Due: **End of week 9**

Weighting: **5%**

Online Quiz covering material from weeks 6, 7, 8 & 9.

The quiz will be available online Thursday evening at 6pm and will stay open for 24 hours closing 6pm Friday evening of week 9.

On successful completion you will be able to:

- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

iLearn Quiz 4

Due: **End of week 11**

Weighting: **5%**

Online Quiz covering material from weeks 8, 9, 10 & 11.

The quiz will be available online Thursday evening at 6pm and will stay open for 24 hours closing 6pm Friday evening of week 11.

On successful completion you will be able to:

- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

FoCA (2x10%)

Due: **Week 6 & week 11**

Weighting: **20%**

On successful completion you will be able to:

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

- The ability to control adjustment/mobilisation procedures with regard to patient body type, patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.
- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".

OSCE

Due: **Week 13**

Weighting: **30%**

On successful completion you will be able to:

- The ability to perform spinal adjustment and/or mobilisations with the appropriate associated skills; i.e. advanced tactile/palpation skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control adjustment/mobilisation procedures with regard to patient body type, patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.
- Understanding of spinal joint normal and pathological biomechanics

End of semester written exam

Due: **University Examination Period**

Weighting: **30%**

On successful completion you will be able to:

- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

Delivery and Resources

Classes

- The timetable for classes can be found on the University web site at:
<http://www.timetables.mq.edu.au/>
- Tutorials begin on Thursday of week 1.
- Tutorial attendance/participation is required and will be factored in to the final grade

Required and Recommended Texts and/or Materials

TEXT

- Esposito & Philipson, Manual of Spinal Technique (compilation) - adjustment available through Department.
- Oatis. Kinesiology "Kinesiology The Mechanics and Pathomechanics of Human Movement," 2nd edition 2008, Lippincott, Williams and Wilkins (2nd and 3rd year Chiropractic Text)
- Manual of Peripheral Technique, Department of Chiropractic, Macquarie University - online adjustment compilation available via iLearn download
- RECOMMENDED READING
- Bergmann & Peterson: Chiropractic technique, principles and procedures 3rd Ed. 2011, Mosby
- Sackett & Straus, et al. Evidence-based Medicine: how to practice and teach EBM. Churchill Livingstone.
- Specific resources available as links via iLearn each week

Teaching and Learning Strategy / electronic resources

- This unit is comprised of lectures and technique tutorials. There will also be some self directed learning within the course.
- The unit is an internal offering.
- Students are expected to attend lectures and tutorials (tutorial minimum attendance 85%)
- iLearn is not a substitute for lecture attendance. Complex concepts are discussed as a group within the lecture format.
- Quizzes will be entered via iLearn

Changes to CHIR891 in 2014

- The practical component of CHIR891 now focuses on 'Diversified' spinal technique. Prior to 2013, the practicum included Gonstead *and* Diversified technique streams. There is a greater focus on preparing the student for clinic by way of horizontal integration increase between orthopaedics and technique cases.

Unit Schedule

Refer to CHIR891 iLearn 2014 for unit schedule

Learning and Teaching Activities

Lecture

Lecture/class discussion

Tutorial

Demonstration/tutorial

ICA

In Class Adjustment (theory+Prac)

Case

Case analysis

FoCA

Feedback on Chiropractic Assessment

iLearn Quiz

On line quiz

Theory Assessment

End of semester exam

OSCE

End of semester practicum

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

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

Disruption to Studies Policy 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/

Passing the unit

To pass CHIR891, students need to pass the practical component of the unit **AS WELL AS** an overall passing grade. The passing grade is 50%. Tutorial attendance needs to be $\geq 85\%$ in addition to the condition above. Attendance will be recorded at each tutorial.

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

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

- The ability to perform spinal adjustment and/or mobilisations with the appropriate associated skills; i.e. advanced tactile/palpation skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control adjustment/mobilisation procedures with regard to patient body type, patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".

Assessment tasks

- Tutorial attendance
- ICA (3x)
- iLearn Quiz 1
- iLearn Quiz 2

- iLearn Quiz 3
- iLearn Quiz 4
- FoCA (2x10%)
- OSCE
- End of semester written exam

Learning and teaching activities

- Lecture/class discussion
- Demonstration/tutorial
- In Class Adjustment (theory+Prac)
- Case analysis
- Feedback on Chiropractic Assessment
- On line quiz
- End of semester exam
- End of semester practicum

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 advanced static and motion palpation of spinal and peripheral joint systems.
- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

Assessment tasks

- Tutorial attendance
- ICA (3x)
- iLearn Quiz 1
- iLearn Quiz 2

- iLearn Quiz 3
- iLearn Quiz 4
- FoCA (2x10%)
- End of semester written exam

Learning and teaching activities

- Lecture/class discussion
- Demonstration/tutorial
- In Class Adjustment (theory+Prac)
- Case analysis
- On line quiz
- End of semester exam

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

- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

Assessment tasks

- Tutorial attendance
- ICA (3x)
- iLearn Quiz 1
- iLearn Quiz 2
- iLearn Quiz 3
- iLearn Quiz 4
- End of semester written exam

Learning and teaching activities

- Lecture/class discussion
- Case analysis

- On line quiz
- End of semester exam

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 adjustment and/or mobilisations with the appropriate associated skills; i.e. advanced tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.

Assessment tasks

- Tutorial attendance
- iLearn Quiz 1
- iLearn Quiz 2
- iLearn Quiz 3
- iLearn Quiz 4
- FoCA (2x10%)
- End of semester written exam

Learning and teaching activities

- Demonstration/tutorial
- In Class Adjustment (theory+Prac)
- Case analysis
- Feedback on Chiropractic Assessment
- End of semester practicum

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

- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

Assessment tasks

- Tutorial attendance
- FoCA (2x10%)
- OSCE
- End of semester written exam

Learning and teaching activities

- Demonstration/tutorial
- Case analysis

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 adjustment and/or mobilisations with the appropriate associated skills; i.e. advanced tactile/palpation skills and hand/body/eye co-ordination of practitioner movements.
- The ability to control adjustment/mobilisation procedures with regard to patient body type, patient position, practitioner position, primary contact, secondary contact, lock-up/ set-up, speed, amplitude and line of drive.
- The ability to perform advanced static and motion palpation of spinal and peripheral joint systems.
- Understanding of spinal joint normal and pathological biomechanics
- Have the ability to assess and treat a variety of basic musculo-skeletal complaints at the proficiency of "clinician".
- Become proficient in research skills at the level of open inquiry within structured guidelines as part of a research skills development (RSD) progression

Assessment tasks

- Tutorial attendance
- ICA (3x)
- FoCA (2x10%)
- OSCE
- End of semester written exam

Learning and teaching activities

- Demonstration/tutorial
- In Class Adjustment (theory+Prac)
- Case analysis