CHIR891

Clinical Chiropractic 1

S1 Day 2015

Dept of Chiropractic

Contents

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Credit points
4

Prerequisites
Admission to MChiro and (CHIR311 or CHIR316 or (CHIR602 and CHIR603 and CHIR604 and CHIR605 and CHIR606 and CHIR607))

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 adjustments 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
Video Assignment (3x4%)	12%	Rolling
iLearn Quiz 1	2%	End of week 4
iLearn Quiz 2	2%	End of week 6
iLearn Quiz 3	2%	End of week 9
iLearn Quiz 4	2%	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 adjustments 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

Video Assignment (3x4%)

Due: **Rolling**
Weighting: **12%**

A Technique Video Assignment 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 appropraitely 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 video record the performance of the adjustment in a supervised environment (in class or in supervised practice). You will then submit the video and associated paperwork through the iLearn system. A tutor will then grade the performance offer feedback. You will then be able to watch your performance again in light of this feedback to help your technique development.

On successful completion you will be able to:

- The ability to perform spinal adjustments 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: **2%**

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: **2%**

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: **2%**

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: **2%**

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%**

Feedback on Chiropractic Assessment (FoCA): You will preform a chiropractic practical exam within normal tutorial time. Immediately afterward (i.e. during the same class), you will be given feedback on your performance. The layout of the exam will help prepare you for the OSCE.

On successful completion you will be able to:

- The ability to perform spinal adjustments 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%**

Objective Structural Clinical Exam (OSCE): You will perform a practical exam over a number of stations during the end of semester practical examination period. In general, you will NOT receive feedback on your performance related to THIS exam.

On successful completion you will be able to:

- The ability to perform spinal adjustments 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

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 - this is an organisational tutorial in which tutorial enrolment will be finalised.
- Tutorial attendance/participation is required and will be factored in to the final grade
- There are 12 x 2 x 1hr lecture times & 11 x 3 x 2hr tutorials

Required and Recommended Texts and/or Materials

TEXT

- Esposito & Philipson, Manual of Spinal Technique (compilation) - adjustment available through the 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 Livingson.
- 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 introduced in 2015

In 2015, video assignments have been introduced.

Unit Schedule

Refer to CHIR891 iLearn 2015 for unit schedule

Learning and Teaching Activities

Lecture

Lecture/class discussion

Tutorial

Demonstration/tutorial

Case

Case analysis

FoCA

Feedback on Chiropractic Assessment

iLearn Quiz

On line quiz

Theory Assessment

End of semester exam

OSCE

End of semester practicum

Video assignment

Video assignment

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/

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.

Passing the unit

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

You are required to read and understand the marking criteria found at the link below:

http://ilearn.mq.edu.au/mod/resource/view.php?id=2817457

Late submission

Late submission of assignments (video) will incur a penalty of 10% per day for each day overdue.

Late submission of iLearn Quiz will incur a penalty of 50%. A quiz will not be accepted after 48 hours past the due date without adequate certification.

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 - 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 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

- Tutorial attendance
- Video Assignment (3x4%)
- FoCA (2x10%)
- OSCE
- End of semester written exam

Learning and teaching activities

- Demonstration/tutorial
- Case analysis
- Video assignment

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 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".

Assessment tasks

- Tutorial attendance

- Video Assignment (3x4%)
- 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
- Case analysis
- Feedback on Chiropractic Assessment
- On line quiz
- End of semester exam
- End of semester practicum
- Video assignment

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

- Video Assignment (3x4%)
- 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
- Case analysis
- On line quiz
- End of semester exam
- Video assignment

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
- 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 adjustments 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
- 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