CHIR316

Chiropractic Science 6

S2 Day 2014

Chiropractic

Contents

General Information

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Credit points
3

Prerequisites (Admission to BChiroSc and (CHIR315 or CHIR301)) or admission to PGQualChiro
Corequisites
Co-badged status
Unit description This unit continues to develop the theory and practice of chiropractic spinal manipulative therapy encountered in CHIR315. This unit completes acquisition of a core group of techniques. The hypotheses and scientific rationale relating to chiropractic intervention is further explored. The major themes relating to evidence-based practice (EBP) continue to be developed. Biomechanics of the spine in relation to clinical application is explored in detail.

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.

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

The ability to perform basic static and motion palpation of spinal joints.

An understanding of spinal and peripheral joint mechanics.

A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.

Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

General Assessment Information

Passing the unit

To pass CHIR316, students need to pass the practical component of the unit AS WELL AS achieve an overall passing grade. The passing grade is 50%. Tutorial attendance needs to be ≥85% in addition to the condition above.

All ICA's and video assignments must be completed to satisfy unit requirements. Some of these ar are formative assessments.

Assessment Tasks

Name	Weighting	Due
ICA (2x)	0%	Rolling
Video assignment 1	0%	Friday Week 3
Video assignment 2	5%	Friday week 7
FoCA 1	7%	Friday week 7
Video assignment 3	5%	Friday week 10
FoCA 2	8%	Friday week 10
Assignment	15%	Monday Week 8
OSCE	30%	Wednesday week 13
End of semester written exam	30%	University Examination Period
Tutorial attendance	0%	Ongoing

ICA (2x)

Due: **Rolling**
Weighting: **0%**

Case History/examination/treatment plan/recoding

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.
- An understanding of spinal and peripheral joint mechanics.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.

Video assignment 1

Due: **Friday Week 3**

Weighting: **0%**

Formative assessment, must complete

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- An understanding of spinal and peripheral joint mechanics.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.
- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

Video assignment 2

Due: **Friday week 7**
Weighting: **5%**

Turnitin

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.

FoCA 1

Due: **Friday week 7**
Weighting: **7%**

-

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.

- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.

Video assignment 3

Due: **Friday week 10**
Weighting: **5%**

Turnitin

On successful completion you will be able to:

- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.
- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

FoCA 2

Due: **Friday week 10**
Weighting: **8%**

-

On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.

Assignment

Due: **Monday Week 8**
Weighting: **15%**

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On successful completion you will be able to:

- An understanding of spinal and peripheral joint mechanics.

- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.
- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

OSCE

Due: **Wednesday week 13**
Weighting: **30%**

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On successful completion you will be able to:

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.

End of semester written exam

Due: **University Examination Period**
Weighting: **30%**

-
On successful completion you will be able to:

- An understanding of spinal and peripheral joint mechanics.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.
- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

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

psychomotor skills.

- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.
- An understanding of spinal and peripheral joint mechanics.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.
- Research skills at the level of an 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 Wednesday of week 2 - **all** to attend at 10am for ORGANISATION.
- There is NO class on Friday 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, - 1st Ed. March 2005, OR
- Esposito & Philipson, Manual of Spinal Technique - EXERPT - available from the Department.

- Oatis. Kinesiology “Kinesiology The Mechanics and Pathomechanics of Human Movement,” 2nd edition 2008, Lippincott, Williams and Wilkins
- 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 week-week resources available as links via iLearn

Teaching and Learning Strategy

- This unit is comprised of lectures and technique tutorials. There will also be some self directed learning within the course.
- The Written assignment contributes 15% of the overall mark.
- The Video assignments contribute 10% of the overall mark.
- 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.

What has changed?

There is an increase in feedback available in the form of video assignments compared to 2013.

Unit Schedule

Refer to CHIR316 iLearn 2014 for unit schedule

Learning and Teaching Activities

Lecture

Lecture/class discussion

Tutorial

Demonstration/tutorial

ICA

In Class Adjustment (Clinical+Practical)

FoCA

Feedback on Chiropractic Assessment

Video Assignment

Assignment

Theory assignment

Assignment

Theory assessment

End of semester exam

OSCE

End of semester practical

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 CHIR316, students need to pass the practical component of the unit AS WELL AS achieve an overall passing grade. The passing grade is 50%. Tutorial attendance needs to be ≥85% in addition to the condition above.

Three ICA's must be completed to satisfy unit requirements. These are formative assessments.

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

Capable of Professional and Personal Judgement and Initiative

We want our graduates to have emotional intelligence and sound interpersonal skills and to demonstrate discernment and common sense in their professional and personal judgement. They will exercise initiative as needed. They will be capable of risk assessment, and be able to handle ambiguity and complexity, enabling them to be adaptable in diverse and changing environments.

This graduate capability is supported by:

Learning outcomes

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.

Assessment tasks

- ICA (2x)
- Video assignment 1
- Video assignment 2
- FoCA 1
- Video assignment 3
- FoCA 2
- OSCE
- Tutorial attendance

Learning and teaching activities

- Demonstration/tutorial
- Assignment
- End of semester practical

Commitment to Continuous Learning

Our graduates will have enquiring minds and a literate curiosity which will lead them to pursue knowledge for its own sake. They will continue to pursue learning in their careers and as they participate in the world. They will be capable of reflecting on their experiences and relationships with others and the environment, learning from them, and growing - personally, professionally and socially.

This graduate capability is supported by:

Learning outcome

- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

Assessment tasks

- ICA (2x)
- Video assignment 1
- Video assignment 2
- Video assignment 3
- Assignment
- End of semester written exam
- Tutorial attendance

Learning and teaching activities

- Lecture/class discussion

- Assignment
- Assignment
- End of semester exam

Discipline Specific Knowledge and Skills

Our graduates will take with them the intellectual development, depth and breadth of knowledge, scholarly understanding, and specific subject content in their chosen fields to make them competent and confident in their subject or profession. They will be able to demonstrate, where relevant, professional technical competence and meet professional standards. They will be able to articulate the structure of knowledge of their discipline, be able to adapt discipline-specific knowledge to novel situations, and be able to contribute from their discipline to inter-disciplinary solutions to problems.

This graduate capability is supported by:

Learning outcomes

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.
- An understanding of spinal and peripheral joint mechanics.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.

Assessment tasks

- ICA (2x)
- Video assignment 1
- Video assignment 2
- FoCA 1
- Video assignment 3
- FoCA 2
- Assignment
- OSCE
- End of semester written exam
- Tutorial attendance

Learning and teaching activities

- Lecture/class discussion
- Demonstration/tutorial
- In Class Adjustment (Clinical+Practical)
- Feedback on Chiropractic Assessment
- Assignment
- Assignment
- End of semester exam
- End of semester practical

Critical, Analytical and Integrative Thinking

We want our graduates to be capable of reasoning, questioning and analysing, and to integrate and synthesise learning and knowledge from a range of sources and environments; to be able to critique constraints, assumptions and limitations; to be able to think independently and systemically in relation to scholarly activity, in the workplace, and in the world. We want them to have a level of scientific and information technology literacy.

This graduate capability is supported by:

Learning outcomes

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.
- An understanding of spinal and peripheral joint mechanics.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.
- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

Assessment tasks

- ICA (2x)
- Video assignment 1
- Video assignment 2
- Video assignment 3
- Assignment

- End of semester written exam
- Tutorial attendance

Learning and teaching activities

- Lecture/class discussion
- Demonstration/tutorial
- In Class Adjustment (Clinical+Practical)
- Feedback on Chiropractic Assessment
- Assignment
- End of semester exam

Problem Solving and Research Capability

Our graduates should be capable of researching; of analysing, and interpreting and assessing data and information in various forms; of drawing connections across fields of knowledge; and they should be able to relate their knowledge to complex situations at work or in the world, in order to diagnose and solve problems. We want them to have the confidence to take the initiative in doing so, within an awareness of their own limitations.

This graduate capability is supported by:

Learning outcomes

- An understanding of spinal and peripheral joint mechanics.
- A thorough knowledge of, and clinical proficiency in examination and testing procedures taught in this unit.
- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

Assessment tasks

- Assignment
- End of semester written exam
- Tutorial attendance

Learning and teaching activities

- Lecture/class discussion
- Demonstration/tutorial
- In Class Adjustment (Clinical+Practical)
- Assignment
- End of semester exam

Creative and Innovative

Our graduates will also be capable of creative thinking and of creating knowledge. They will be imaginative and open to experience and capable of innovation at work and in the community. We want them to be engaged in applying their critical, creative thinking.

This graduate capability is supported by:

Learning outcomes

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

Assessment tasks

- ICA (2x)
- Assignment
- Tutorial attendance

Learning and teaching activities

- Lecture/class discussion
- Demonstration/tutorial
- In Class Adjustment (Clinical+Practical)
- Assignment

Effective Communication

We want to develop in our students the ability to communicate and convey their views in forms effective with different audiences. We want our graduates to take with them the capability to read, listen, question, gather and evaluate information resources in a variety of formats, assess, write clearly, speak effectively, and to use visual communication and communication technologies as appropriate.

This graduate capability is supported by:

Learning outcomes

- The ability to perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills.
- The ability to control adjustment/mobilisation procedures with regard to patient position,

practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation of spinal joints.

Assessment tasks

- ICA (2x)
- Video assignment 1
- Video assignment 2
- FoCA 1
- Video assignment 3
- FoCA 2
- OSCE
- Tutorial attendance

Learning and teaching activities

- Lecture/class discussion
- Demonstration/tutorial
- In Class Adjustment (Clinical+Practical)
- Feedback on Chiropractic Assessment
- Assignment
- End of semester practical

Engaged and Ethical Local and Global citizens

As local citizens our graduates will be aware of indigenous perspectives and of the nation's historical context. They will be engaged with the challenges of contemporary society and with knowledge and ideas. We want our graduates to have respect for diversity, to be open-minded, sensitive to others and inclusive, and to be open to other cultures and perspectives: they should have a level of cultural literacy. Our graduates should be aware of disadvantage and social justice, and be willing to participate to help create a wiser and better society.

This graduate capability is supported by:

Learning outcome

- Research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

Assessment task

- Tutorial attendance

Learning and teaching activity

- Lecture/class discussion