



CHIR3106

Chiropractic Science 6

Session 2, Weekday attendance, North Ryde 2020

Department of Chiropractic

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Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group learning activities on campus for the second half-year, while keeping an online version available for those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face and online activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff

Convenor

Aron Downie

aron.downie@mq.edu.au

Contact via Contact via Tutorial or email

17 WW, Room 356

by appointment

Convenor

Christopher Burrell

christopher.burrell@mq.edu.au

Contact via by email

17 WW, Room 357

by appointment

Credit points

10

Prerequisites

Admission to BChiroSc and (CHIR3105 or CHIR315)

Corequisites

Co-badged status

Unit description

This unit continues to develop the theory and practice of chiropractic spinal manipulative therapy encountered in CHIR3105. This unit completes acquisition of a core group of techniques. The hypotheses and scientific rationale relating to chiropractic intervention is further explored. Biomechanics of the spine in relation to clinical application is explored in detail. 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:

ULO1: Perform spinal adjustments and/or mobilisations with the appropriate

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

ULO2: Perform a physical examination of a patient utilising advanced static and motion palpation of spinal joints.

ULO3: Demonstrate an understanding of spinal and peripheral joint mechanics.

ULO4: Apply research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Spot test 1</u>	6%	No	Week 5
<u>Spot test 2</u>	9%	No	Week 9
<u>Research Assignment</u>	10%	No	Week 10 or 11 (depends on group)
<u>End of session Objective Structured Clinical Exam (OSCE)</u>	40%	No	Week 13
<u>End of session written exam</u>	35%	No	University exam period

Spot test 1

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 3 hours

Due: **Week 5**

Weighting: **6%**

In-tutorial practical assessment 1

On successful completion you will be able to:

- Perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills. Including control of the adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Perform a physical examination of a patient utilising advanced static and motion

palpation of spinal joints.

Spot test 2

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 4 hours

Due: **Week 9**

Weighting: **9%**

In-tutorial practical assessment 2

On successful completion you will be able to:

- Perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills. Including control of the adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Perform a physical examination of a patient utilising advanced static and motion palpation of spinal joints.

Research Assignment

Assessment Type ¹: Presentation

Indicative Time on Task ²: 5 hours

Due: **Week 10 or 11 (depends on group)**

Weighting: **10%**

Students will work in groups of 5. The group will research a clinical presentation assigned to their group and submit a diagnostic statement and management outline. (Group mark 5%)

Each student will contribute to an in-tutorial presentation of their work to the class. (Individual mark 5%)

On successful completion you will be able to:

- Demonstrate an understanding of spinal and peripheral joint mechanics.
- Apply research skills at the level of an open inquiry within structured guidelines as part of a research skills development (RSD) progression.

End of session Objective Structured Clinical Exam (OSCE)

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 20 hours

Due: **Week 13**

Weighting: **40%**

Practical assessment of procedures as taught in the unit.

On successful completion you will be able to:

- Perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills. Including control of the adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Perform a physical examination of a patient utilising advanced static and motion palpation of spinal joints.
- Demonstrate an understanding of spinal and peripheral joint mechanics.

End of session written exam

Assessment Type ¹: Examination

Indicative Time on Task ²: 20 hours

Due: **University exam period**

Weighting: **35%**

End of session written exam assessing all material delivered in the unit.

On successful completion you will be able to:

- Perform spinal adjustments and/or mobilisations with the appropriate psychomotor skills. Including control of the adjustment/mobilisation procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Perform a physical examination of a patient utilising advanced static and motion palpation of spinal joints.
- Demonstrate an understanding of spinal and peripheral joint mechanics.
- Apply research skills at the level of an open inquiry within structured guidelines as part of

a research skills development (RSD) progression.

¹ If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

² Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

Classes

- The timetable for classes can be found on the University web site at:
<http://www.timetables.mq.edu.au/>
- Lecture begins Week 1
- Tutorials begin Week 1

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 Livingstone.
- 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 assignment contributes 10% of the overall mark.
- The unit is an internal offering.
- Students are expected to attend BOTH lectures AND tutorials
- iLearn is not a substitute for lecture attendance. Complex concepts are discussed as a group within the lecture / open forum format.

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.*)

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](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>).

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 published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) 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 or if you are a Global MBA student contact globalmba.support@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) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

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

If you are a Global MBA student contact globalmba.support@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/.

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.