



CHIR6110

Chiropractic A

Session 1, Weekday attendance, North Ryde 2022

Department of Chiropractic

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General Information

Unit convenor and teaching staff

Christopher Agius

christopher.agius@mq.edu.au

Irina Dedova

irina.dedova@mq.edu.au

Credit points

20

Prerequisites

Admission to MChiroprac

Corequisites

Co-badged status

Unit description

This unit introduces the student to the history and science of chiropractic. It includes basic psychomotor skills such as peripheral and spinal motion palpation, muscle assessment, soft tissue techniques as well as lower limb joint mobilisation and manipulation techniques. The unit covers a 'core' group of techniques and aims at developing proficiency of these techniques within the learner. It also includes an introduction to biomechanics which incorporates an understanding of the basic laws of physics as they apply to joint movement and an introduction to research methodology within the field.

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 peripheral adjustments and/or mobilisations with a basic level of psychomotor skills associated with these procedures i.e. tactile/palpation skills and hand/body/eye co-ordination of practitioner movements.

ULO2: Control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.

ULO3: Perform basic static and motion palpation on all peripheral joints in the body.

ULO4: Demonstrate an understanding of peripheral and spinal joint mechanics and apply this knowledge to normal and pathological joint function.

ULO5: Identify major anatomical features of the musculoskeletal system and demonstrate an in depth understanding through the application of this knowledge to clinical cases.

ULO6: Demonstrate an understanding through effective engagement in discussions around the history and development of chiropractic theories.

Assessment Tasks

| Name | Weighting | Hurdle | Due |
|--|-----------|--------|-------------------------|
| <u>End of semester written examination</u> | 20% | No | Exam Period |
| <u>Clinical Technique Assessment</u> | 40% | Yes | Week 4, Week 8, Week 13 |
| <u>Biomechanics quizzes</u> | 10% | No | Week 4, 6, 8, 10 and 12 |
| <u>Mid-semester Anatomy Spot Test</u> | 10% | No | Week 5 |
| <u>Anatomy Spot test</u> | 20% | No | Week 12 |

End of semester written examination

Assessment Type ¹: Examination

Indicative Time on Task ²: 8 hours

Due: **Exam Period**

Weighting: **20%**

The end of semester written examination covers material from all parts of the lecture series including Technique, Biomechanics and Anatomy.

On successful completion you will be able to:

- Demonstrate an understanding of peripheral and spinal joint mechanics and apply this knowledge to normal and pathological joint function.
- Identify major anatomical features of the musculoskeletal system and demonstrate an in depth understanding through the application of this knowledge to clinical cases.
- Demonstrate an understanding through effective engagement in discussions around the history and development of chiropractic theories.

Clinical Technique Assessment

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 17 hours

Due: **Week 4, Week 8, Week 13**

Weighting: **40%**

This is a hurdle assessment task (see [assessment policy](#) for more information on hurdle assessment tasks)

3 clinical technique practical assessments.

These assessments may include requiring an explanation of clinical reasoning relevant to the technique being examined.

On successful completion you will be able to:

- Perform peripheral adjustments and/or mobilisations with a basic level of psychomotor skills associated with these procedures i.e. tactile/palpatory skills and hand/body/eye co-ordination of practitioner movements.
- Control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- Perform basic static and motion palpation on all peripheral joints in the body.
- Demonstrate an understanding through effective engagement in discussions around the history and development of chiropractic theories.

Biomechanics quizzes

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Week 4, 6, 8, 10 and 12**

Weighting: **10%**

5 online biomechanics quizzes

On successful completion you will be able to:

- Demonstrate an understanding of peripheral and spinal joint mechanics and apply this knowledge to normal and pathological joint function.
- Demonstrate an understanding through effective engagement in discussions around the

history and development of chiropractic theories.

Mid-semester Anatomy Spot Test

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Week 5**

Weighting: **10%**

In-lab mid-semester test

On successful completion you will be able to:

- Identify major anatomical features of the musculoskeletal system and demonstrate an in depth understanding through the application of this knowledge to clinical cases.

Anatomy Spot test

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 8 hours

Due: **Week 12**

Weighting: **20%**

In-lab test

On successful completion you will be able to:

- Identify major anatomical features of the musculoskeletal system and demonstrate an in depth understanding through the application of this knowledge to clinical cases.

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

- Number and length of classes per week:
 - 2 x 2 hour lectures
 - 3 x 2 hour tutorials
 - 1 x 2 hour practical (anatomy)
- **Anatomy practicals** are conducted face-to-face in the anatomy laboratory. Students required to wear enclosed shoes, lab coat and face mask. Participation in practical anatomy classes is a hurdle requirement for this unit. Note: there are no lectures for Anatomy component. There will be recommended reading for each week. In addition, power point slides and online learning modules/formative tasks will be provided to assist with learning. Participation in practical and tutorial classes is highly encouraged for optimal performance in the unit as all scheduled activities are aligned with the unit learning outcomes of the unit. A minimum of 80% tutorial and practical attendance is RECOMMENDED in order to gain sufficient knowledge in this unit.

Required and Recommended texts and/or materials

TEXT

- Oatis CA. The Mechanics and Pathomechanics of Human Movement. 2nd ed. Lippincott Williams & Wilkins. 2009.

ANATOMY TEXTS

- textbooks: Vogl, Drake, & Mitchell (2019) Gray's Anatomy for Students. 4th Ed, Elsevier; *OR* Moore, Dalley, & Agur (2017) Clinically Oriented Anatomy. 8th Ed, Wolters Kluwer
- atlases: Abrahams, Boon & Spratt (2009) McMinn's Clinical Atlas of Human Anatomy. 6th Ed, Mosby/Saunders Elsevier, *OR* Rohen, Lutjen-Drecoll, & Yokochi (2015) A photographic Atlas. 8th Ed, Wolters Kluwer

SPINAL MANUAL

- Spinal adjustment technique : the chiropractic art

| | |
|--|-----------------------------------|
| | Stephen Esposito; Scott Philipson |
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Opportunity to purchase will be provided inclass.

Unit Schedule

The timetable will be provided in iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au). 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](#)
- [Assessment Procedure](#)
- [Complaints Resolution Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/support/study/policies\)](https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au) and use the [search tool](#).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/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

Academic Integrity

At Macquarie, we believe [academic integrity](#) – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free [online writing and maths support](#), [academic skills development](#) and [wellbeing consultations](#).

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

The Writing Centre

[The Writing Centre](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Workshops](#)
- [Chat with a WriteWISE peer writing leader](#)
- [Access StudyWISE](#)
- [Upload an assignment to Studiosity](#)
- [Complete the 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

Macquarie University offers a range of [Student Support Services](#) including:

- [IT Support](#)
- [Accessibility and disability support](#) with study
- Mental health [support](#)
- [Safety support](#) to respond to bullying, harassment, sexual harassment and sexual assault
- [Social support including information about finances, tenancy and legal issues](#)

Student Enquiries

Got a question? Ask us via [AskMQ](#), or contact [Service Connect](#).

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.

Changes from Previous Offering

Based on student feedback, the assessment structure for the anatomy component has been

revised and simplified. Instead of the three separate assessment items (two spot tests and the final examination), the anatomy assessment will consist of the two tests: spot test 1 and spot test 2. This streamlines the assessment, avoids duplication and alleviates extra-stress associated with most assessment items conducted at the end of the semester. We value feedback from students and will be working together with you to ensure that we can provide the best possible learning experience. Should you have any concerns or suggestions, do not hesitate to email the unit convenors.

Changes since First Published

| Date | Description |
|------------|-------------------------------|
| 17/06/2022 | Made a mistake in withdrawing |