CHIR6110

Chiropractic A

Session 1, In person-scheduled-weekday, North Ryde 2023

Department of Chiropractic

Contents

General Information	2
Learning Outcomes	2
General Assessment Information	3
Assessment Tasks	4
Delivery and Resources	6
Unit Schedule	7
Policies and Procedures	8
Inclusion and Diversity	10
Professionalism	10
Changes since First Published	11

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General Information

Unit convenor and teaching staff

Unit Convener
Christopher Agius
christopher.agius@mq.edu.au
Contact via via email
room 2231, Level 2, 75 Talavera Rd (by appointment)
by appointment

Unit Convener
Irina Dedova
irina.dedova@mq.edu.au
Contact via via email
room 2228, Level 2, 75 Talavera Rd (by appointment)
by appointment

Credit points
20

Prerequisites
Admission to MChiroprac

Corequisites

Co-badged status

Unit description
This unit introduces you to the history and science of chiropractic. You will learn 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. A 'core' group of techniques will be covered and you will develop proficiency of these techniques. You will also be provided with 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 both spinal and peripheral adjustments and/or mobilisations with a basic level of psychomotor skills associated with these procedures e.g. tactile/palpatory skills, contact placement and line of drive, hand/body/eye co-ordination of practitioner movements.

ULO2: Perform basic static and motion palpation on all spinal and peripheral joints in the body.

ULO3: Apply knowledge of peripheral and spinal joint mechanics to normal and pathological joint function.

ULO4: Identify major anatomical features of the musculoskeletal system and apply this knowledge to clinical cases.

ULO5: Discuss the history and development of chiropractic theories and relevance to current chiropractic clinical practice.

General Assessment Information

Grade descriptors and other information concerning grading are contained in the Macquarie University Assessment Policy. All final grades are determined by a grading committee, in accordance with the Macquarie University Assessment Policy, and are not the sole responsibility of the Unit Convenor. Students will be awarded a final grade and a mark which must correspond to the grade descriptors specified in the Assessment Procedure (clause 128). To pass this unit, you must demonstrate sufficient evidence of achievement of the learning outcomes, meet any ungraded requirements, and achieve a final mark of 50 or better. Further details for each assessment task will be available on iLearn.

Late Submissions

Unless a Special Consideration request has been submitted and approved, a 5% penalty (OF THE TOTAL POSSIBLE MARK) will be applied each day a written assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of ‘0’ will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical concern. For example:

Number of days (hours) late	Total Possible Marks	Deduction	Raw mark	Final mark
1 day (1-24 hours)	100	5	75	70
2 days (24-48 hours)	100	10	75	65
3 days (48-72 hours)	100	15	75	60
7 days (144-168 hours)	100	35	75	40
>7 days (>168 hours)	100	-	75	0

For any late submissions of time-sensitive tasks, such as scheduled tests/exams, performance assessments/presentations, and/or scheduled practical assessments/labs, students need to submit an application for Special Consideration.

Assessment Tasks

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

On successful completion you will be able to:

- Apply knowledge of peripheral and spinal joint mechanics to normal and pathological joint function.
- Discuss the history and development of chiropractic theories and relevance to current chiropractic clinical practice.

Clinical Technique Assessment

Assessment Type [1]: Clinical performance evaluation
Indicative Time on Task [2]: 17 hours
Due: **Weeks 4, 8 and 13**
Weighting: **40%**

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 both spinal and peripheral adjustments and/or mobilisations with a basic level of psychomotor skills associated with these procedures e.g. tactile/palpatory skills, contact placement and line of drive, hand/body/eye co-ordination of practitioner movements.
- Perform basic static and motion palpation on all spinal and peripheral joints in the body.
- Discuss the history and development of chiropractic theories and relevance to current chiropractic clinical practice.

Biomechanics quizzes

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 5 hours
Due: **Weeks 4, 6, 8, 10 and 12**
Weighting: **10%**

5 online biomechanics quizzes

On successful completion you will be able to:

- Apply knowledge of peripheral and spinal joint mechanics to normal and pathological joint function.
- Discuss the history and development of chiropractic theories and relevance to current chiropractic clinical practice.

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 apply 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 apply this knowledge to clinical cases.

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[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. Note: there are no timetabled lectures for Anatomy component. However, optional recorded lectures on relevan regional anatomy will be provided in ECHO360; pdf of corresponding lecture slides also will also be provided as optional additional resource for studying via iLearn. There will be recommended reading for each week and formative learning tasks and quizzes 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

TEXTS

- Oatis CA. The Mechanics and Pathomechanics of Human Movement. 2nd ed. Lippincott Williams & Wilkins. 2009.
- Esposito E., Philipson, S. (2005) Spinal Adjustment Technique: The Chiropractic Art. NSW, Australia. Opportunity to purchase will be provided inclass.

ANATOMY

- 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; available via MQ Library
- 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
- software: Acland's Video Atlas of Human Anatomy ***and*** Complete Anatomy 3D4Medical; both are available via MQ Library

Unit Schedule

The timetable will be provided in iLearn. The anatomy component preliminary timetable - see below.

Week	Monday 9-11am *OR* 11am-1pm (as per enrolment)	Topic
1	20/02	**Lab 1:** Introduction, Shoulder, Arm
2	27/02	**Lab 2:** Elbow, Forearm, Wrist
3	06/03	**Lab 3:** Hand, UL Neurovasculature
4	13/03	**Lab 4:** UL Revision, Pelvis, Hip, Thigh
5	20/03	**Mid-Semester Anatomy Spot Test** (10%)
6	27/03	**Lab 5:** Knee, Leg

7	03/04	**Lab 6:** Ankle, Foot, LL Neurovasculature
	10/04-23/04	RECESS
8	24/04	**Lab 7:** Thoracic Spine, Walls, Viscera
9	01/05	**Lab 8:** Lumbar Spine, Back, Abdominal walls
10	08/05	**Lab 9:** Cervical Spine, Head, Neck
11	15/05	**Lab 10:** Revision
12	22/05	**Anatomy Spot Test** (20%)
13	29/05	

Anatomy component coordinator: Dr Irina Dedova *irina.dedova@mq.edu.au*; ***Public Holidays****: 07-10/04; 25/04; 12/06.* ***Recess****: 10/04-23/04;* ***Exams****: 05/06-25/06/2023.* ***Prac Exams:*** *F2F during LAB time in Weeks 6 & 12; see iLearn & Announcements for details.* ***Supplementary Prac Exams****: usually conducted AFTER EXAMINATION PERIOD; therefore, please do not plan your travel until confirming the date for the supplementary; there will be NO online and/or individual sittings.*

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (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). 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) 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 Advocacy provides independent advice on MQ policies, procedures, and processes

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.

Inclusion and Diversity

Social inclusion at Macquarie University is about giving everyone who has the potential to benefit from higher education the opportunity to study at university, participate in campus life and flourish in their chosen field. The University has made significant moves to promote an equitable, diverse and exciting campus community for the benefit of staff and students. It is your responsibility to contribute towards the development of an inclusive culture and practice in the areas of learning and teaching, research, and service orientation and delivery. As a member of the Macquarie University community, you must not discriminate against or harass others based on their sex, gender, race, marital status, carers' responsibilities, disability, sexual orientation, age, political conviction or religious belief. All staff and students are expected to display appropriate behaviour that is conducive to a healthy learning environment for everyone.

Professionalism

In the Faculty of Medicine, Health and Human Sciences, professionalism is a key capability embedded in all our courses.

As part of developing professionalism, students are expected to attend all small group interactive sessions including clinical, practical, laboratory, work-integrated learning (e.g., PACE placements), and team-based learning activities. Some learning activities are recorded (e.g., face-to-face lectures), however you are encouraged to avoid relying upon such material as they do not recreate the whole learning experience and technical issues can and do occur. As an adult learner, we respect your decision to choose how you engage with your learning, but we would remind you that the learning opportunities we create for you have been done so to enable your success, and that by not engaging you may impact your ability to successfully complete this unit. We equally expect that you show respect for the academic staff who have worked hard to develop meaningful activities and prioritise your learning by communicating with them in advance

if you are unable to attend a small group interactive session.

Another dimension of professionalism is having respect for your peers. It is the right of every student to learn in an environment that is free of disruption and distraction. Please arrive to all learning activities on time, and if you are unavoidably detained, please join activity as quietly as possible to minimise disruption. Phones and other electronic devices that produce noise and other distractions must be turned off prior to entering class. Where your own device (e.g., laptop) is being used for class-related activities, you are asked to close down all other applications to avoid distraction to you and others. Please treat your fellow students with the utmost respect. If you are uncomfortable participating in any specific activity, please let the relevant academic know.

Changes since First Published

Date	Description
31/01/2023	Contact persons details corrected (glitch). Timetable for anatomy component has been added. List of prescribed texts and resources updated.