



CHIR1101

Chiropractic Sciences 1

Session 1, In person-scheduled-weekday, North Ryde 2024

Department of Chiropractic

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Disclaimer

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General Information

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Credit points

10

Prerequisites

Admission to BChiroSc

Corequisites

ANAT1001 or HLTH108

Co-badged status

Unit description

This unit offers an introduction to Chiropractic practice including patient assessment and intervention using spinal palpation, range of motion and fundamentals of psychomotor skill acquisition. The clinical application of anatomical knowledge is explored. Research methodology and critical thinking skills essential for the health clinician are introduced as part of the research skills development program. Fundamental biomechanics related to function and manual therapy intervention are introduced. The role of Chiropractic in the delivery of primary health care, both now and throughout history are explored.

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: Demonstrate entry-level skills in patient assessment within a framework of ethical patient interaction.

ULO2: Describe theoretical frameworks for the assessment of/and therapeutic intervention for musculoskeletal tissues.

ULO3: Describe the position of chiropractic within public health and it's role in primary health care.

ULO4: Describe introductory concepts in biomechanical analysis and mechanical properties of musculoskeletal tissue.

ULO5: Understand the principles of a scientist-clinician and the application of evidence-based 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 127).

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.

Competency-based assessment

In higher education, assessments must be able to recognise various levels of competencies in order to encourage students to become not only competent, but progress to developing expertise. A key component of effective assessment in competency-based education is for assessments to be criterion-based using a developmental perspective. Defining the criteria in developmental terms, commonly called milestones or benchmarks, allows programs to determine whether the trainee is on an appropriate 'trajectory'. Milestones provide specific guidance on trainee progress throughout the continuum of their training program. CHIR1101 practical examinations are competency-based.

Serious and unavoidable disruption

The University classifies a disruption as **serious and unavoidable** if it:

- could not have reasonably been anticipated, avoided or guarded against by the student; and
- was beyond the student's control; and
- caused substantial disruption to the student's capacity for effective study and/or completion of required work; and
- occurred during an event critical study period and was at least three (3) consecutive days duration, and/or
- prevented completion of a final examination.

Students with a pre-existing disability/health condition or prolonged adverse circumstances may be eligible for ongoing assistance and support. Such support is governed by other policies and may be sought and coordinated through [Campus Wellbeing](#).

Examinations

You are expected to present yourself for examination at the time and place designated in the University Examination Timetable. The timetable will be available in Draft form approximately eight weeks before the commencement of the examinations and in Final form approximately four weeks before the commencement of the examinations.

The only exception to not sitting an examination at the designated time is because of **documented illness or unavoidable disruption**. In these circumstances, you may wish to submit an application for [Special Consideration](#).

If you receive special consideration for the final exam, a supplementary exam will be scheduled in the interval between the regular exam period and the start of the next session. By making a special consideration application for the final exam you are declaring yourself available for a resit during the supplementary examination period and will not be eligible for a second special consideration approval based on pre-existing commitments.

In the event of illness or significant disruptions during an examination or timed assessment, students must promptly cease their work. If the incident occurs in a classroom setting, they must inform the supervisor or invigilator immediately. If the disruption takes place outside the classroom, it should be reported immediately to the appropriate course authority. Subsequently,

students are required to submit an application for special consideration. Specified in [Special Consideration Procedure](#) (clause 10).

Students who have already submitted an assessment or participated in an examination or timed assessment without reporting any issues during the assessment process will only be considered for a second opportunity to undertake that assessment only under exceptional circumstances. The decision to grant a second opportunity will be evaluated on a case-by-case basis, with careful consideration given to the nature and validity of the exceptional circumstances that significantly affected their performance in the initial assessment. A statement of fact cannot suffice as evidence in such cases. Specified in [Special Consideration Procedure](#) (clause 11).

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
In-tutorial chiropractic spot test 1	0%	No	Week 5
Online quiz	5%	No	Week 7

Name	Weighting	Hurdle	Due
Chiropractic in primary health care.	10%	No	Week 9
In-tutorial chiropractic spot test 2	5%	No	Week 10
End of session - Objective Structured Clinical Examination (OSCE)	40%	No	Week 13
End of session written exam	40%	No	Examination period

In-tutorial chiropractic spot test 1

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 2 hours

Due: **Week 5**

Weighting: **0%**

A practical test conducted before the mid-session break during scheduled classes. This test is the equivalent of 1 station in the final OSCE. The test assesses acquisition of practical skills acquired in this unit. This test is formative and is for feedback only.

On successful completion you will be able to:

- Demonstrate entry-level skills in patient assessment within a framework of ethical patient interaction.
- Describe theoretical frameworks for the assessment of/and therapeutic intervention for musculoskeletal tissues.

Online quiz

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 2 hours

Due: **Week 7**

Weighting: **5%**

Online quiz conducted before the mid-session break. Assesses theoretical components of the unit thus far.

On successful completion you will be able to:

- Describe theoretical frameworks for the assessment of/and therapeutic intervention for musculoskeletal tissues.
- Describe the position of chiropractic within public health and it's role in primary health care.
- Describe introductory concepts in biomechanical analysis and mechanical properties of musculoskeletal tissue.

Chiropractic in primary health care.

Assessment Type ¹: Report

Indicative Time on Task ²: 5 hours

Due: **Week 9**

Weighting: **10%**

A report discussing the role chiropractic care plays in the delivery of primary health care. This assessment task requires students to develop and demonstrate library and research skills.

On successful completion you will be able to:

- Describe the position of chiropractic within public health and it's role in primary health care.
- Understand the principles of a scientist-clinician and the application of evidence-based practice.

In-tutorial chiropractic spot test 2

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 1 hours

Due: **Week 10**

Weighting: **5%**

A practical test conducted after the mid-session break during scheduled classes. This test is the equivalent of 1 station in the final OSCE. The test assesses acquisition of practical skills acquired in this unit.

On successful completion you will be able to:

- Demonstrate entry-level skills in patient assessment within a framework of ethical patient

interaction.

- Describe theoretical frameworks for the assessment of/and therapeutic intervention for musculoskeletal tissues.

End of session - Objective Structured Clinical Examination (OSCE)

Assessment Type ¹: Clinical performance evaluation

Indicative Time on Task ²: 10 hours

Due: **Week 13**

Weighting: **40%**

Objective Structural Clinical Exam (OSCE): A practical exam, organised into stations conducted during the end of session practical examination period (Week 13). The OSCE will assess all practical components of this unit.

On successful completion you will be able to:

- Demonstrate entry-level skills in patient assessment within a framework of ethical patient interaction.
- Describe theoretical frameworks for the assessment of/and therapeutic intervention for musculoskeletal tissues.

End of session written exam

Assessment Type ¹: Examination

Indicative Time on Task ²: 10 hours

Due: **Examination period**

Weighting: **40%**

Formal end of session written exam to assess all theoretical components of the unit.

On successful completion you will be able to:

- Describe theoretical frameworks for the assessment of/and therapeutic intervention for musculoskeletal tissues.
- Describe the position of chiropractic within public health and it's role in primary health care.
- Describe introductory concepts in biomechanical analysis and mechanical properties of

musculoskeletal tissue.

- Understand the principles of a scientist-clinician and the application of evidence-based practice.

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

1. **Delivery mode.** As a student enrolled in this unit, you will engage in a range of online and face-to-face learning activities, including hands-on practicals, face-to-face lectures, online modules and videos. Details can be found on the iLearn site for this unit. *Nb.*

FIRST TUTORIAL AND LECTURE ARE IN WEEK 1

- 1 x 2-hour lecture per week (FACE-TO-FACE)
- 2 x 2-hour tutorials per week (ON-CAMPUS ATTENDANCE) - **both tutorial classes require ON-CAMPUS attendance**
- 2-3 hours per week self- instructional learning

2. **Prescribed Unit Materials**

- CHIR1101 tutorial notes and CHIR1101 Study Guide - available via iLearn page for download and PRINTING or use on a TABLET device
- CHIR1101 pre-tutorial modules via iLearn

3. **Recommended reading** (*See also: Prescribed reading for ANAT1001*)

- See LEGANTO reading list week-week linked in iLearn.
- Oatis, C. A. (2016). *Kinesiology: the mechanics and pathomechanics of human movement* (Third edition). Philadelphia: Wolters Kluwer.
- Visniak, N. (2018). *Muscle Manual* (Second edition or later). Professional Health Systems Inc.

- Complete Anatomy. Netherlands: Elsevier Science.

Technology Used

Active participation in the learning activities throughout the unit will require students to have access to a tablet, laptop or similar device. Students who do not own their own laptop computer may borrow one from the university library.

Unit Schedule

See iLearn for week-week schedule.

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 Advocacy](#) provides independent advice on MQ policies, procedures, and processes

Student Enquiries

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

Equity 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.

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.

Unit information based on version 2024.01R of the [Handbook](#)