CHIR1101

Chiropractic Sciences 1

Session 1, Weekday attendance, North Ryde 2021

Department of Chiropractic

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Disclaimer

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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 activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face 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 email
By appointment

Convenor
Rosemary Giuriato
rosemary.giuriato@mq.edu.au
Contact via email
By appointment

Rosemary Giuriato
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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-clinican and the application of evidence-based practice.

General Assessment Information

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 onto 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.

For a more information see: "Competency-based Assessment, Macquarie University" https://staff.mq.edu.au/public/download/?id=40618

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 https://students.mq.edu.au/support/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' https://students.mq.edu.au/study/my-study-program/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.

Extensions and penalties

Extensions to assignments are at the discretion of the unit convenor. It is the responsibility of the student to prove to the convenor that there has been an unavoidable disruption. Please submit a 'Special consideration' and request an extension. The online form will ask you to provide evidence of the disruption.

Marks will be deducted for late submissions in the absence of an approved extension. *Marks will be deducted at the rate of 10% of the available marks per day.*

Grading descriptors

High Distinction *:* provides consistent evidence of deep and critical understanding in relation to the learning outcomes. There is substantial originality and insight in identifying, generating and communicating competing arguments, perspectives or problem-solving approaches; critical evaluation of problems, their solutions and their implications; creativity in application.

Distinction*:* provides evidence of integration and evaluation of critical ideas, principles and theories, distinctive insight and ability in applying relevant skills and concepts in relation to learning outcomes. There is a demonstration of frequent originality in defining and analysing

issues or problems and providing solutions; and the use of means of communication appropriate to the discipline and the audience.

Credit *:* provides evidence of learning that goes beyond replication of content knowledge or skills relevant to the learning outcomes. There is demonstration of substantial understanding of fundamental concepts in the field of study and the ability to apply these concepts in a variety of contexts; plus communication of ideas fluently and clearly in terms of the conventions of the discipline.

Pass*:* provides sufficient evidence of the achievement of learning outcomes. There is demonstration of understanding and application of fundamental concepts of the field of study; and communication of information and ideas adequately in terms of the conventions of the discipline. The learning attainment is considered satisfactory or adequate or competent or capable in relation to the specified outcomes.

Fail: does not provide evidence of attainment of all learning outcomes. There is missing or partial or superficial or faulty understanding and application of the fundamental concepts in the field of study; and incomplete, confusing or lacking communication of ideas in ways that give little attention to the conventions of the discipline.

GRADE	REQUIREMENTS
Pass	A minimum of 50% in each of unit component AND a minimum 50% aggregate raw mark.
Credit	A minimum of 50% in each of unit component AND a minimum 65% aggregate raw mark.
Distinction	A minimum of 50% in each of unit component AND a minimum 75% aggregate raw mark.
High Distinction	A minimum of 50% in each of unit component AND a minimum 85% aggregate raw mark.

Assessment Tasks

Name	Weighting	Hurdle	Due
In-tutorial chiropractic spot test 1	0%	No	Week 4
In-tutorial chiropractic spot test 2	5%	No	Week 8
Chiropractic in primary health care.	10%	No	Week 8
Online quiz	5%	No	Rolling
End of session - Objective Structured Clinical Examination (OSCE)	40%	No	Week 12

Name	Weighting	Hurdle	Due
End of session written exam	40%	No	Exam period

In-tutorial chiropractic spot test 1

Assessment Type [1]: Clinical performance evaluation
Indicative Time on Task [2]: 2 hours
Due: **Week 4**
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.

In-tutorial chiropractic spot test 2

Assessment Type [1]: Clinical performance evaluation
Indicative Time on Task [2]: 1 hours
Due: **Week 8**
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.

Chiropractic in primary health care.

Assessment Type [1]: Report
Indicative Time on Task [2]: 5 hours
Due: **Week 8**
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-clinican and the application of evidence-based practice.

Online quiz

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 2 hours
Due: **Rolling**
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.

End of session - Objective Structured Clinical Examination (OSCE)

Assessment Type [1]: Clinical performance evaluation

Indicative Time on Task [2]: 10 hours
Due: **Week 12**
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: **Exam 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-clinican and the application of evidence-based practice.

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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

1. Technology Used and Required: iLearn, Echo360, Practical Audio/Visual Equipment, and Electronic Lectern

   Delivery mode

   A combination of face-to-face lectures, pre-recorded lectures, self-directed learning, and hands-on tutorials/practicals: **(FIRST TUTORIAL AND LECTURE IS IN WEEK 1 - see iLearn page)**

   - 1 x 2 hour lecture per week
   - 2 x 2 hour tutorial/practicals per week
   - 2-3 hours per week self- instructional learning

     (See online timetable for lecture and tutorial times)

2. Prescribed Unit Materials

   - CHIR1101 course notes - available via iLearn page for download and PRINTING or use on TABLET device

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

   - Introduction to the Human Body, 11th Edition 2017 Gerard J. Tortora, Bryan H. Derrickson ISBN: 978-1-119-39273-6 Nb. 10th edition will also suffice. Hard copy, eBook, eBook rental available
   - Gray's Anatomy For Students, 4th Edition 2019 Richard Drake, PhD, FAAA, A. Wayne Vogl, PhD, FAAA and Adam W. M. Mitchell, MB BS, FRCS, FRCR ISBN : 9780323393041
   - Kinesiology: The Mechanics and Pathomechanics of Human Movement Third Edition by Carol A Oatis PT PhD (Author) ISBN-13: 978-1451191561

Unit Schedule

See CHIR1101 iLearn page for unit schedule

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
- Grade Appeal Policy
- Complaint Management 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

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.

Changes from Previous Offering

In 2021, all tutorial content and practical assessments will be delivered face-face.