



CHIR602

Chiropractic A

S1 Day 2015

Dept of Chiropractic

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General Information

Unit convenor and teaching staff

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Credit points

8

Prerequisites

Admission to MChiroprac

Corequisites

Co-badged status

Unit description

This unit introduces the student to the history, philosophy, art 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 proficiency of this core. It also includes an understanding of the basic laws of physics as they apply to the biomechanics of joint movement as well as an introduction to research methodology.

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:

The ability to 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.

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

The ability to perform basic static and motion palpation on all peripheral joints in the body.

An understanding of peripheral and spinal joint mechanics.

A thorough basic knowledge of the neuro-anatomy of the human nervous system.

An understanding of the history and development of chiropractic theories

General Assessment Information

There are theory and practical assessments in this unit.

The theory assessments include a neuro-anatomy mid-semester written test, a series of 5 biomechanics online quizzes, an end of semester written examination and a written assignment.

The practical assessments include three practical exams (Spot Tests).

Assessment Tasks

Name	Weighting	Due
Neuro-anatomy mid-semester tes	5%	Week 6
Technique Spot Tests	40%	weeks 4,8,13

Name	Weighting	Due
<u>Written Assignment</u>	15%	week 7
<u>On-line biomechanics quizzes</u>	5%	weeks 4,6,8,10,12
<u>End of semester written examin</u>	35%	University examination period

Neuro-anatomy mid-semester tes

Due: **Week 6**

Weighting: **5%**

Neuro-anatomy written exam.

On successful completion you will be able to:

- A thorough basic knowledge of the neuro-anatomy of the human nervous system.

Technique Spot Tests

Due: **weeks 4,8,13**

Weighting: **40%**

The Technique spot tests cover the practical elements of the technique material in the unit. Spot Tests 1 & 2 are worth 10% and Spot Test 3 is worth 20%.

On successful completion you will be able to:

- The ability 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.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation on all peripheral joints in the body.

Written Assignment

Due: **week 7**

Weighting: **15%**

The written assignment covers biomechanics.

On successful completion you will be able to:

- An understanding of peripheral and spinal joint mechanics.

On-line biomechanics quizzes

Due: **weeks 4,6,8,10,12**

Weighting: **5%**

The online biomechanics quizzes are designed to test the student's understanding of the basic biomechanics principles underlying joint mobilisation/manipulation. Each quiz is worth 1%.

On successful completion you will be able to:

- An understanding of peripheral and spinal joint mechanics.

End of semester written exam

Due: **University examination period**

Weighting: **35%**

The final written examination covers material from all parts of the lecture series including Technique, Biomechanics, Neuro-anatomy and other topics. .

On successful completion you will be able to:

- A thorough basic knowledge of the neuro-anatomy of the human nervous system.
- An understanding of the history and development of chiropractic theories

Delivery and Resources

CLASSES

- Number and length of classes per week:
- 4 x 2 hour lectures
- 3 x 2 hour tutorials
- The timetable for classes can be found on the University web site at:

<https://timetables.mq.edu.au/Scientia/Web/index.html>

- **TUTORIALS COMMENCE IN WEEK ONE**
- **Tutorial attendance/participation is required and will be factored into the final grade.**

Required and Recommended texts and/or materials

TEXT

- Oatis CA. The Mechanics and Pathomechanics of Human Movement. 2nd ed. Lippincott

Williams & Wilkins. 2009.

Unit web page

The web page, referred to as iLearn, for this unit can be found by following the link below:

<http://ilearn.mq.edu.au/my>

Follow the links to CHIR 602. This includes links to ECHO 360.

All essential information that is required for this unit including lecture and tutorial notes will be posted on the iLearn web page.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy http://mq.edu.au/policy/docs/academic_honesty/policy.html

Assessment Policy <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Grievance Management Policy http://mq.edu.au/policy/docs/grievance_management/policy.html

Disruption to Studies Policy http://www.mq.edu.au/policy/docs/disruption_studies/policy.html *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of 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/support/student_conduct/

Results

Results shown in *iLearn*, 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.

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 improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

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

IT Help

For help with University computer systems and technology, visit <http://informatics.mq.edu.au/help/>.

When using the University's IT, you must adhere to the [Acceptable Use Policy](#). The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

Learning outcomes

- The ability 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.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line

of drive.

- The ability to perform basic static and motion palpation on all peripheral joints in the body.
- An understanding of peripheral and spinal joint mechanics.
- A thorough basic knowledge of the neuro-anatomy of the human nervous system.
- An understanding of the history and development of chiropractic theories

Assessment tasks

- Neuro-anatomy mid-semester tes
- Technique Spot Tests
- Written Assignment
- On-line biomechanics quizzes
- End of semester written examin

PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

Learning outcomes

- An understanding of peripheral and spinal joint mechanics.
- A thorough basic knowledge of the neuro-anatomy of the human nervous system.

Assessment tasks

- Technique Spot Tests
- End of semester written examin

PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

Assessment task

- Written Assignment

PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

Learning outcomes

- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- The ability to perform basic static and motion palpation on all peripheral joints in the body.

Grading

The relative weighting of the two parts is as follows:

Part A (Theory): 60% of total mark

i. End of semester written exam	35%
ii. Written assignment	15%
iii. Biomechanics online quizzes	5%
iv. Neuro-anatomy mid-semester exam	5%

Part B (Practical): 40% of total mark

i. Technique Spot Test 1 (Upper Limb)	10%
ii. Technique Spot Test 2 (Lower Limb)	10%
iii. Technique Spot Test 3 (Upper & Lower Limbs & Spinal)	20%

GRADING

HD	High Distinction	Denotes work of outstanding quality
D	Distinction	Denotes work of superior quality
Cr	Credit	Denotes work of predominantly good quality
P	Pass	Denotes work of satisfactory quality
F	Fail	Denotes a candidate has failed to complete the unit satisfactorily

Achievement of grades will be based on the following criteria:

Grade	Description
Pass (P)	A minimum mark of 50% in the practical component PLUS a minimum total raw mark of 50%
Credit (Cr)	A minimum mark of 50% in the practical component PLUS a minimum total raw mark of 65%
Distinction (D)	A minimum mark of 50% in the practical component PLUS a minimum total raw mark of 75%
High Distinction (HD)	A minimum mark of 50% in the practical component PLUS a minimum total raw mark of 85%