



HLTH700

Research Frontiers in Anatomy and Chiropractic

S1 Day 2019

Dept of Chiropractic

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General Information

Unit convenor and teaching staff

Simon French

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Contact via Email

By appointment: Level 3, 17 Wally's Walk (C5C)

Credit points

4

Prerequisites

Admission to MRes

Corequisites

Co-badged status

Unit description

In this unit students will acquire an advanced conceptual knowledge of a range of topics within anatomical and clinical sciences research. Students will attend seminars focused on ongoing research projects from within the University and will attend appropriate library training workshops. Students will participate in peer led discussions and activities, advancing their literature critique capabilities and research communication skills.

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:

Acquire knowledge of current research in anatomy and chiropractic

Synthesise and analyse complex information regarding anatomical and chiropractic research from a wide variety of sources

Identify, reflect on, and discuss, knowledge gaps in anatomical and chiropractic research with intellectual independence

Critically analyse research quality and present peer reviewed literature in formats suitable to a variety of audiences (specialist and nonspecialist)

Advance students' skills in research literacy to locate, interpret and transmit knowledge

and ideas

General Assessment Information

Overview

All written assessments must be submitted electronically via Turnitin. All assessment tasks must be submitted by the due dates outlined in the unit guide.

Students who are unable to submit an assessment or unable to meet a specific deadline should submit a 'Special Consideration' request. For information on this process please visit the link: <https://students.mq.edu.au/study/my-study-program/special-consideration>

Failure to submit an assessment task on the due date without an appropriate Special Consideration will result in a loss of 10% per 24-hour period after the due date for that particular task, for example, 25 hours late in submission = 20% penalty.

Serious and Unavoidable circumstances

The University classifies circumstances as serious and unavoidable if they:

1. Could not have reasonably been anticipated, avoided or guarded against by the student; and
2. Were beyond the student's control; and
3. Caused substantial disruption to the student's capacity for undertaking assessment for the unit(s); and
4. Occurred during an event critical study period and were at least three (3) consecutive days duration or a total of 5 days within the teaching period; and/or
5. Prevented completion of an assessment task scheduled for a specific date (e.g. final examination, in class test/quiz, in class presentation).

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 and Support Services.

Extensions and Penalties

Extensions to assignments are at the discretion of the unit convenor. It is the candidate's responsibility to demonstrate to the convenor that there has been unavoidable disruption. Marks will be deducted for late submissions in the absence of an approved disruption of studies form.

There are five assessment tasks. A candidate must complete all of these assessment tasks satisfactorily to complete the program. A candidate who obtains an unsatisfactory grade for an assessment will be given feedback on how to improve the work and will be asked to resubmit the relevant assessment to the required standard. If they receive an unsatisfactory grade for the

resubmission, the candidate will receive a 'Fail' grade and be required to withdraw from the MRes program.

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Online ethics tutorial</u>	5%	No	31st March 2019
<u>Journal club presentation</u>	25%	No	To be determined
<u>Public plain language piece</u>	10%	No	26th April 2019
<u>Seminar participation/report</u>	25%	No	13th June 2019
<u>Essay</u>	35%	No	20th June 2019

Online ethics tutorial

Due: **31st March 2019**

Weighting: **5%**

All students must complete the Canadian Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans (TCPS 2) tutorial and submit proof of completion (emailed copy of certificate from the tutorial). Reading the Tri-Council Policy Statement will take approximately 2 hours, and the tutorial will take approximately 3-4 hours to complete. Familiarise yourself with the information on these webpages, then click on the following links:

- Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans. Familiarise yourself with this document before you complete the tutorial
<http://www.pre.ethics.gc.ca/eng/policy-politique/initiatives/tcps2-eptc2/Default/>
- The TCPS 2 Tutorial Course on Research Ethics (CORE) <http://www.pre.ethics.gc.ca/eng/education/tutorial-didacticiel/>

On successful completion you will be able to:

- Acquire knowledge of current research in anatomy and chiropractic
- Advance students' skills in research literacy to locate, interpret and transmit knowledge and ideas

Journal club presentation

Due: **To be determined**

Weighting: **25%**

Students will present a critical summary of a journal article of their choice. A 2-page written

summary will be due on the same day as the presentation. Students will be expected to provide an overview of the paper, a critical evaluation of the paper's content (using an appropriate critical appraisal framework), and a summary of the main messages. The student will also be expected to facilitate a short discussion with the class about the content of the paper.

The chosen journal article must be a 'landmark research paper'. That is, it should be an established publication that has made a significant impact in the field of chiropractic/anatomy research, as evidenced by high levels of citation, either by providing a novel methodological advance or a significant conceptual breakthrough in healthcare.

Presentation (15%): 30-minute presentation (15 minutes, plus 15 minutes questions/discussion)

Written submission (10%): 2-page summary

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Public plain language piece

Due: **26th April 2019**

Weighting: **10%**

Students will submit a 750-word plain language science piece summarising a recent journal publication (published in the last 12 months) in the field of chiropractic/anatomy research that would be of interest to the general public. The article will be written in the style for publication in *The Conversation* (<https://theconversation.com/au>).

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Seminar participation/report

Due: **13th June 2019**

Weighting: **25%**

Attend eight research seminars/workshops (each minimum 50 minutes duration) throughout the Semester. Students can tailor a training program to suit their research training needs; students should speak with their supervisor/s about options for this. Research seminars/workshops may include department research seminars, the Spinal Pain Research Group meetings, relevant training workshops (e.g. Endnote training), research seminars by other Macquarie departments etc.

Provide a written report (2,000 words) documenting seminars/courses attended and skills and knowledge gained from your participation. This report must include a detailed critique for two of the attended research seminars.

For course options, see here for Higher Degree Research **Training, support and tools**:

<https://students.mq.edu.au/study/my-research-program/training-support-and-tools>

See here for Macquarie Library training options:

<https://www.mq.edu.au/about/campus-services-and-facilities/library/research/building-your-research-skills>

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Essay

Due: **20th June 2019**

Weighting: **35%**

You will prepare a written literature review (2,500 words) discussing a significant area of research within chiropractic or anatomy. To prepare for this essay, you will first need to attend (or view) a workshop addressing report writing and/or referencing skills. You will be advised if this will be a training session offered through the library or the University's HDR Unit. You may view a webinar, provided the material is extensive and relevant to scientific report writing.

Your grade will be determined by: (i) the extent and relevance of literature covered; (ii) the degree of insight and critical appraisal of the literature discussed; and (iii) the formatting quality of your written work. The rubric will be available on the Unit's iLearn site.

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Delivery and Resources

Delivery mode

This Unit consists of self-directed tasks, with formal classroom experience only occurring occasionally throughout the semester. It is your responsibility to organise your work according to the assessment schedule.

Journal club will be held with MRes 2 students. The scheduling of journal club will be made after determining students' availability throughout the semester.

Departmental research seminars generally occur on selected Tuesdays. You will be notified via email of the schedule.

Unit Web Page

You can log in to iLearn learning system using the link below:

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

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

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

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/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/study/getting-started/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 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

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.

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

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Assessment tasks

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- Journal club presentation
- Seminar participation/report
- Essay

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:

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- Critically analyse research quality and present peer reviewed literature in formats suitable to a variety of audiences (specialist and nonspecialist)
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- Essay

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:

Learning outcome

- Identify, reflect on, and discuss, knowledge gaps in anatomical and chiropractic research with intellectual independence

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:

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