CHIR922

Postgraduate Advanced Research II

S2 Day 2019

Dept of Chiropractic

Contents

General Information

Unit convenor and teaching staff
Convenor
Simon French
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Lecturer
Aron Downie
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Lecturer
Katie de Luca
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Lecturer
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Credit points
4

Prerequisites
CHIR921

Corequisites

Co-badged status

Unit description
This unit, together with CHIR921, develops a student's ability to critique, evaluate and synthesise biomedical research. These skills are crucial for life-long learning and are essential in evidence-informed clinical practice. In this unit, students will work in groups to develop and execute a medium term, capstone research project to answer a specific research question/s.

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:

Design and execute a primary or secondary research project to create new knowledge in

a clinically relevant area

Communicate and disseminate knowledge that has been derived from the research process to their peer group through visual communication technologies

Communicate and disseminate knowledge that has been derived from the research process through a variety of written formats

Be able to work collaboratively with their peers towards a common goal or purpose

Students will learn to analyse, interpret and assess data from their research findings

Students will learn to think critically, write clearly and present research findings effectively

General Assessment Information

Overview

This unit involves a course on advanced research methods, plus the execution and write up of a substantial primary or secondary research project. The focus of this research is based on the research protocol that was conceptualised and designed in the prerequisite unit in the previous semester (CHIR 921).

The written assessment 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.

Assessment Tasks

Name	Weighting	Hurdle	Due
In-class exam	30%	No	9am Week 6, 5/09/2019
Research Project Presentation	30%	No	Weeks 11-12, 24/10/2019 and 31/10/2019
Research Project Written	40%	No	9am, Week 13, 7/11/2019

In-class exam

Due: **9am Week 6, 5/09/2019**
Weighting: **30%**

Multiple choice questions that evaluate student learning of lecture material. The assessment will be held in the scheduled lecture time.

On successful completion you will be able to:

- Students will learn to analyse, interpret and assess data from their research findings
- Students will learn to think critically, write clearly and present research findings effectively

Research Project Presentation

Due: **Weeks 11-12, 24/10/2019 and 31/10/2019**
Weighting: **30%**

In the tutorial class time, students will give an individual oral research presentation about the results of their research project. Each student will present the methods and results for their group research project. 10 minute presentation, 5 minute question time.

On successful completion you will be able to:

- Design and execute a primary or secondary research project to create new knowledge in a clinically relevant area
- Communicate and disseminate knowledge that has been derived from the research process to their peer group through visual communication technologies
- Be able to work collaboratively with their peers towards a common goal or purpose
- Students will learn to analyse, interpret and assess data from their research findings
- Students will learn to think critically, write clearly and present research findings

effectively

Research Project Written

Due: **9am, Week 13, 7/11/2019**
Weighting: **40%**

The research project will be written up in the format of a journal article, ready for submission for publication in a peer reviewed journal.

On successful completion you will be able to:

- Design and execute a primary or secondary research project to create new knowledge in a clinically relevant area
- Communicate and disseminate knowledge that has been derived from the research process to their peer group through visual communication technologies
- Communicate and disseminate knowledge that has been derived from the research process through a variety of written formats
- Be able to work collaboratively with their peers towards a common goal or purpose
- Students will learn to analyse, interpret and assess data from their research findings
- Students will learn to think critically, write clearly and present research findings effectively

Delivery and Resources

Delivery mode

Students should approach the content of this unit through self-directed learning. Students in this unit have been previously been assigned to a research project group in CHIR921. Each research project is linked to an academic advisor who will provide mentorship and guidance on completing the substantial research project (research presentation and journal article). Learning in this aspect of the unit occurs via student/supervisor engagement.

In weeks 1 to 4, there will be four 1-hour lectures in this unit. Lectures will provide advanced research methods, building on the content from CHIR921. These lectures will provide relevant material for the unit's substantial research project.

Students will be allocated to one 2-hour tutorial group in weeks 7-13. During the tutorial time, students will be expected to meet with their academic advisor, or attend to consult with the unit convenor for general advice about their own research project. Tutorial attendance is encouraged. In weeks 11 and 12, students will present the methods and results of their research project.

Unit Schedule

Lecture/Tutorial	Date	Topic	Lecturer

L1	1/8/19	Unit overview, Recap of CHIR921 and Bias	Simon French
L2	8/8/19	Analysis – advanced	Katie de Luca
L3	15/8/19	Meta-analysis	Aron Downie
L4	22/8/19	Causation versus correlation	Michael Swain
L5	29/8/19	Revision (no lecture)	
L6	5/9/19	In class exam	
Wks 7-10		Tutorials 9-11am, 11am-1pm	
Wk 11	24/10/2019	Research Presentations	
Wk 12	31/10/2019	Research Presentations	

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). 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). 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 (https://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 - 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

- Design and execute a primary or secondary research project to create new knowledge in a clinically relevant area
- Be able to work collaboratively with their peers towards a common goal or purpose
- Students will learn to analyse, interpret and assess data from their research findings

Assessment tasks

- In-class exam
- Research Project Presentation
- Research Project Written

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 outcomes

- Design and execute a primary or secondary research project to create new knowledge in a clinically relevant area
- Communicate and disseminate knowledge that has been derived from the research process through a variety of written formats
- Be able to work collaboratively with their peers towards a common goal or purpose
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Assessment tasks

- In-class exam
- Research Project Presentation
- Research Project Written

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

- Communicate and disseminate knowledge that has been derived from the research process to their peer group through visual communication technologies
- Communicate and disseminate knowledge that has been derived from the research process through a variety of written formats
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Assessment tasks

- Research Project Presentation
- Research Project Written