



CHIR13012 Research Literacy for Health Professionals

Term 2 - 2022

Profile information current as at 20/04/2024 02:57 am

All details in this unit profile for CHIR13012 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This unit has been developed for you to begin your journey in the expansive field of research. This unit will introduce you to some fundamental principles of research practice and allow for a greater appreciation of research methodology, critical appraisal and basic statistical analysis. This unit will utilise the principle that 'reading research' should be the first goal of any research course. You will be given research articles to read in preparation for all weekly lectures and offered the opportunity to undertake formative assessment utilising the lecture material and the pre-lecture readings. You will also learn how to utilise various critical appraisal techniques to allow you to confidently use research findings to help you make evidence-based clinical decisions. By the end of this unit, you will be equipped to not only embark on more rigorous research related units and be prepared to undertake the foundations of an Honours or Masters level research project but also be able to understand how research can be used to make evidence-informed clinical decisions.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisite: Completion of 96 credit points

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 2 - 2022

- Brisbane
- Mackay
- Sydney

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Online Quiz(zes)**

Weighting: 20%

2. **Portfolio**

Weighting: 50%

3. **Online discussion forum**

Weighting: Pass/Fail

4. **Online Test**

Weighting: 30%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Have Your Say

Feedback

Some students found the research terminology confusing and felt that plain English explanations would have allowed them to better understand the content.

Recommendation

It is recommended that the new Unit Coordinator ensure that the language used in this unit is clear and understandable to the target audience.

Feedback from Have Your Say

Feedback

Some students felt that both the content and the assessments should be refreshed to ensure a positive learning experience

Recommendation

It is recommended that the new Unit Coordinator create new content and assessments for the next offering.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Critique the advantages and disadvantages of various research designs used in primary and secondary research
2. Evaluate research using standardised and non-standardised critical appraisal methods
3. Analyse basic research data and provide appropriate summaries for further evaluation
4. Compose a research question in order to develop a collaborative proposal to investigate a selected field of enquiry
5. Discuss the strengths and weaknesses of published research within a contextualised and patient-centred framework.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Portfolio - 50%	•	•		•	•
2 - Online Test - 30%		•	•		•
3 - Online Quiz(zes) - 20%			•	•	
4 - Online discussion forum - 0%	•				

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Communication	•	•	•	•	•
2 - Problem Solving		•	•	•	•
3 - Critical Thinking	•	•	•	•	•
4 - Information Literacy		•	•		•
5 - Team Work					
6 - Information Technology Competence			•	•	
7 - Cross Cultural Competence	•			•	•
8 - Ethical practice	•			•	•
9 - Social Innovation	•	•			•
10 - Aboriginal and Torres Strait Islander Cultures					

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Portfolio - 50%	•	•	•	•		•	•	•	•	
2 - Online Test - 30%	•	•	•	•		•	•	•	•	
3 - Online Quiz(zes) - 20%	•	•	•			•	•	•	•	
4 - Online discussion forum - 0%	•	•	•	•		•	•	•		

Textbooks and Resources

Textbooks

CHIR13012

Supplementary

Clinical Epidemiology, How to Do Clinical Practice Research

Edition: 3rd (2006)

Authors: Haynes, Tugwell, Sackett, Guyatt

Lippincott Williams & Wilkins

ISBN: 9780781745246

Binding: Paperback

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Supplementary

Essentials of Research Methods in Health, Physical Education, Exercise Science and Recreation

Edition: 2nd (2003)

Authors: Berg, Latin

Lippincott Williams and Wilkins

ISBN: 978-0781738026

Binding: Hardcover

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Supplementary

Researching complementary and alternative medicine

Edition: 1st (2006)

Authors: Jon Adams

Routledge

ISBN: 978-0415367752

Binding: Paperback

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: [Vancouver](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Katie de Luca Unit Coordinator

k.deluca@cqu.edu.au

Schedule

Week 1: Ethics in Research - 11 Jul 2022

Module/Topic	Chapter	Events and Submissions/Topic
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Lecture: Introduction to research literacy for health professionals and ethics in research Online tutorial: Introduction to research literacy and course outline	Relevant material will be available on Moodle.	None
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Week 2: Clinical Epidemiology and Evidence-Based Medicine - 18 Jul 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Clinical epidemiology and Evidence-Based Medicine Online tutorial: Evidence-based medicine	Relevant material will be available on Moodle.	None

Week 3: Developing A Research Question and Searching the Medical Literature - 25 Jul 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Developing a research question and searching the medical literature Online tutorial: PICO and Library training videos	Relevant material will be available on Moodle.	None

Week 4: Critical Appraisal - 01 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Critical appraisal Online tutorial: Critical appraisal	Relevant material will be available on Moodle.	None

Week 5: Research Study Designs - 08 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Research study designs Online tutorial: Critical appraisal (2)	Relevant material will be available on Moodle.	None

Vacation Week - 15 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6: Quantitative Studies - Non Experimental - 22 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Quantitative studies - Non experimental Online tutorial: Mid-term online quiz	Relevant material will be available on Moodle.	Mid-term online quiz: Due Wednesday 24th August 2022 Mid-term online quiz Due: Week 6 Wednesday (24 Aug 2022) 11:00 am AEST

Week 7: Quantitative Studies - Experimental - 29 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Quantitative studies - experimental Online tutorial: Quantitative studies - experimental	Relevant material will be available on Moodle.	None

Week 8: Quantitative Data Analysis - 05 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Quantitative data analysis Online tutorial: Quantitative data analysis	Relevant material will be available on Moodle.	Assessment: Critical appraisal and CASP Randomised Controlled Trial Checklist Due 5pm, Friday 9th September 2022 Critical appraisal and CASP submission Due: Week 8 Friday (9 Sept 2022) 5:00 pm AEST

Week 9: Qualitative Research - 12 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
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Lecture: Qualitative research Online tutorial: Quantitative data analysis	Relevant material will be available on Moodle.	None
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Week 10: Systematic Reviews and Meta-Analysis - 19 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Systematic reviews and meta-analysis Online tutorial: Systematic reviews and meta-analysis	Relevant material will be available on Moodle.	Assessment: Research into Practice Seminar online forum post and written reflection submission Due 5pm, Friday 25th September 2022 Research into Practice Seminar online forum post and written reflection submission Due: Week 10 Friday (23 Sept 2022) 5:00 pm AEST

Week 11: Clinical Practice Guidelines - 26 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Clinical Practice Guidelines (CPGs) Online tutorial: Clinical Practice Guidelines and AGREE II Instrument	Relevant material will be available on Moodle.	None

Week 12: Writing A Journal Paper - 03 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Writing a journal paper Online tutorial: Get ready to write - BYO journal paper and end of term test revision.	Relevant material will be available on Moodle.	None

Exam Week - 10 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic
No lecture No online tutorial		Invigilated end of term test: Due Thursday 13th October 2022 09:00 AM - 11:00 AM Computer Lab: Brisbane 01/1.07; Mackay 06/G.26 End of term test Due: Review/Exam Week Thursday (13 Oct 2022) 11:00 am AEST

Exam Week - 17 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic
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Assessment Tasks

1 Mid-term online quiz

Assessment Type

Online Quiz(zes)

Task Description

The mid-term online quiz will be open in Moodle on Wednesday 24th August 2022, in Week 6. The mid-term online quiz will be open in Moodle for 24 hours. Once you start the mid-term online quiz, the quiz in Moodle will be open for 60 minutes after which time your answers will be submitted automatically.

The quiz will involve a mix of question types including multiple choice, short answer and matching styles. The quiz will assess content taught across weeks 1-5 (not including week 6). The quiz is worth 20% of your total grade.

Number of Quizzes

1

Frequency of Quizzes

Other

Assessment Due Date

Week 6 Wednesday (24 Aug 2022) 11:00 am AEST

The mid-term quiz will be open in Moodle from 11am on Wednesday 24th August 2022. The mid-term quiz will be open in Moodle for 24 hours. Once you start the mid-term quiz, the quiz in Moodle will be open for 60 minutes after which time your answers will be submitted automatically.

Return Date to Students

Week 7 Wednesday (31 Aug 2022)

Multiple choice and matching style questions will be returned to students once the quiz is closed, with short answer questions returned to students within one week.

Weighting

20%

Minimum mark or grade

50%

Assessment Criteria

The assessment criteria will involve selecting or providing the most accurate and correct answers to the questions posed in this mid-term online quiz.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Quiz will be open in Moodle from 11am on Wednesday 24th August 2022.

Learning Outcomes Assessed

- Analyse basic research data and provide appropriate summaries for further evaluation
- Compose a research question in order to develop a collaborative proposal to investigate a selected field of enquiry

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice
- Social Innovation

2 Critical appraisal and CASP submission

Assessment Type

Portfolio

Task Description

No Assessment Task Description

Assessment Due Date

Week 8 Friday (9 Sept 2022) 5:00 pm AEST

Return Date to Students

Week 11 Wednesday (28 Sept 2022)

Weighting

50%

Assessment Criteria

Students need to critically appraise a (pre-determined) peer-reviewed, journal publication. The assessment will include submitting a clear and cohesive piece of academic writing (500 words (+/- 10%)), complemented by a CASP Randomised Controlled Trial Checklist.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Students must submit two documents – a copy of their CASP checklist in PDF and a copy of their critical appraisal in PDF, via Moodle.

Learning Outcomes Assessed

- Critique the advantages and disadvantages of various research designs used in primary and secondary research
- Evaluate research using standardised and non-standardised critical appraisal methods
- Compose a research question in order to develop a collaborative proposal to investigate a selected field of enquiry
- Discuss the strengths and weaknesses of published research within a contextualised and patient-centred framework.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice
- Social Innovation

3 Research into Practice Seminar online forum post and written reflection submission

Assessment Type

Online discussion forum

Task Description

This assessment will encourage you to attend the CQU Chiropractic Research into Practice (RiP) seminar series, over the duration of the CHIR13012 unit. Alternatively, you can watch a recorded RiP seminar. You are required to provide a ~500 words, written reflection of the RiP Seminar you attended/viewed. This should be saved as a PDF file and uploaded to Moodle by 5pm on Friday 23rd September, 2022 (Week 10). You will also post a reflection of the RiP Seminar you have viewed to the RiP Seminar Series Moodle Forum for peer review.

Assessment Due Date

Week 10 Friday (23 Sept 2022) 5:00 pm AEST

Upload a written reflection, saved as a PDF file, to Moodle, and post in the RiP Seminar Series Moodle Forum

Return Date to Students

Weighting

Pass/Fail

Assessment Criteria

This is a Pass/Fail assessment. You must, during the Term, post in the RiP Seminar Series Moodle Forum and upload a written reflection, saved as a PDF file, to Moodle by Week 10 to Pass this Unit.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Upload a written reflection, saved as a PDF file, to Moodle, and post in the RiP Seminar Series Moodle Forum

Learning Outcomes Assessed

- Critique the advantages and disadvantages of various research designs used in primary and secondary research

Graduate Attributes

- Communication

- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

4 End of term test

Assessment Type

Online Test

Task Description

This end of term test will be undertaken in a CQUni computer lab on whichever campus that you are enrolled. The test will involve a mix of question types including multiple choice, short answer and matching styles. The test will assess all theoretical content taught across weeks 1-12. The test is worth 30% of your total grade.

Assessment Due Date

Review/Exam Week Thursday (13 Oct 2022) 11:00 am AEST

Return Date to Students

Exam Week Thursday (20 Oct 2022)

Multiple choice and matching style questions will be returned to students once all students have completed the quiz, with short answer questions returned to students within two weeks.

Weighting

30%

Minimum mark or grade

50%

Assessment Criteria

The assessment criteria will involve selecting or providing the most accurate and correct answers to the questions posed in this end of term test.

Referencing Style

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Evaluate research using standardised and non-standardised critical appraisal methods
- Analyse basic research data and provide appropriate summaries for further evaluation
- Discuss the strengths and weaknesses of published research within a contextualised and patient-centred framework.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice
- Social Innovation

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?



Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem