



SAFE20023 Safety Science Thesis 2

Term 2 - 2021

Profile information current as at 03/05/2024 08:46 pm

All details in this unit profile for SAFE20023 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 is the second of two in the Safety Science Thesis suite of units. During this unit you will learn about the process of conducting safety science research by executing your research plan (post ethics approval) from Thesis 1, that is, data collection and analysis, writing and presenting your research findings to a wider audience. You will also be able to engage with your peer researchers as they progress through their research journey.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: *12*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.25*

Pre-requisites or Co-requisites

Prerequisite: SAFE20022

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 - 2021

- Mixed Mode

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).

Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

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 12-credit Postgraduate unit at CQUniversity requires an overall time commitment of an average of 25 hours of study per week, making a total of 300 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. **Written Assessment**

Weighting: Pass/Fail

2. **Presentation and Written Assessment**

Weighting: Pass/Fail

Assessment Grading

This is a pass/fail (non-graded) unit. To pass the unit, you must pass all of the individual assessment tasks shown in the table above.

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](#).

Unit Learning Outcomes

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

1. Undertake and write an extensive literature review on a topic of safety science.
2. Conduct research (supported by ethics committee approval) that uses appropriate research methods and data analysis techniques to address research questions.
3. Discuss the implications of the research project for theory and practice in safety science.
4. Demonstrate an in-depth knowledge of a topic in safety science.

This is the second unit of two research thesis units and is designed to complete the foundational work that students carried out in Thesis 1. The two Thesis units are designed to introduce students to the process of conducting research, enabling them to carry out an independent research study. In Thesis 2 the students will continue to work with their allocated supervisor who will support them in the conduct of their research, the undertaking of an extensive literature review and assist in the preparation of a final piece of work which can deliver the student's research findings to a wider audience. Students will also be able to continue to discuss the unit content and their research progress with their fellow peer researchers through Moodle site discussion groups.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

| Assessment Tasks | Learning Outcomes | | | |
|----------------------------------------------|-------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| 1 - Written Assessment - 0% | • | | | • |
| 2 - Presentation and Written Assessment - 0% | | • | • | • |

Alignment of Graduate Attributes to Learning Outcomes

| Graduate Attributes | Learning Outcomes | | | |
|----------------------------------------------|-------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| 1 - Knowledge | ○ | ○ | ○ | ○ |
| 2 - Communication | ○ | ○ | ○ | ○ |
| 3 - Cognitive, technical and creative skills | ○ | ○ | ○ | ○ |
| 4 - Research | ○ | ○ | ○ | ○ |
| 5 - Self-management | ○ | ○ | ○ | ○ |
| 6 - Ethical and Professional Responsibility | ○ | ○ | ○ | ○ |
| 7 - Leadership | ○ | ○ | ○ | ○ |

Graduate Attributes

Learning Outcomes

1 2 3 4

8 - 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

1 - Written Assessment - 0%

| | | | | | | | |
|---|---|---|---|---|---|---|--|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
|---|---|---|---|---|---|---|--|

2 - Presentation and Written Assessment - 0%

| | | | | | | | |
|---|---|---|---|---|---|---|--|
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
|---|---|---|---|---|---|---|--|

Textbooks and Resources

Textbooks

SAFE20023

Prescribed

A Playbook for Research Methods: Integrating Conceptual Frameworks and Project Management

Edition: First (2013)

Authors: Patricia M. Shields & Nandhini Rangarajan

New Forums Press Inc

Stillwater , OK , USA

ISBN: 10:1-58107-247-3

Binding: Paperback

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Zoom account (Free)

Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Karen Klockner Unit Coordinator

k.klockner@cqu.edu.au

Schedule

Week 1 - 12 Jul 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------------------------------|----------------------|-----------------------------------------------------------------------------|
| Project Progress and Unit Assessments | Prescribed Text Book | Cohort Zoom Meeting Literature Reviews / Ethics / Data Collection Update |

Week 2 - 19 Jul 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|-----------------------------|----------------------|-------------------------------------------------------------------------|
| Research Project Management | Prescribed Text Book | Cohort Zoom Meeting Progress / Literature Review and Data Collection |

Week 3 - 26 Jul 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|----------------------------------------------------------------|------------------------------------------|------------------------------|
| Methodology, Data Collection, Data Analysis, Skills Assessment | Prescribed Text Book / Supplied Readings | Cohort Zoom Meeting |

Week 4 - 02 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------------------------------------------|------------------------------------------|-----------------------------------------------------------------|
| Journal Publications, What is all the fuss about? | Prescribed Text Book / Supplied Readings | Cohort Zoom Meeting Literature Review / Data Analysis Update |

Week 5 - 09 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|------------------------------------------------------------|----------------------|------------------------------|
| Linking Results to Aims, Research Questions and Hypothesis | Prescribed Text Book | Cohort Zoom Meeting |

Vacation Week - 16 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------|---------|------------------------------|
| Vacation Week | | |

Week 6 - 23 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|-------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Driving Theory, Modelling and Meaningful Results in the Safety Sciences | Supplied Reading - Safety Science Paper | Cohort Zoom Meeting Comprehensive Literature Review Due: Week 6 Friday (27 Aug 2021) 11:45 pm AEST |

Week 7 - 30 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------------------------------------------|--------------------------------------|------------------------------|
| Becoming Published, Perils, Pitfalls and Pleasure | Supplied Readings - Journal Sections | Cohort Zoom Meeting |

Week 8 - 06 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|------------------------------------------------------|---------|----------------------------------------|
| How to Present the Work - Sections of Journal Papers | | Cohort Zoom Meeting Write Up Thesis |

Week 9 - 13 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|----------------------------------------------------------------------------------|------------------------------------|------------------------------|
| Real World Research and Collaborations Past Thesis 2 Boyer's Academic Pillars | Supplied Reading - Boyer and TEQSA | Cohort Zoom Meeting |

Week 10 - 20 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|----------------------------------------------------------------|------------------|------------------------------|
| Onwards and Upwards - PhD and Doctorate - Research Differences | Supplied Reading | Cohort Zoom Meeting |

Week 11 - 27 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------|---------|---------------------------------------------------------|
| Presentations | | Cohort Zoom Meeting Prepare and deliver Presentation |

Week 12 - 04 Oct 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|-------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final Thesis Preparation Assistance | | Thesis Submitted Parts A, B & C Present your research at the Transport and Safety Science Conference being held 3rd, 4th and 5th October 2021 Thesis and Presentation Due: Week 12 Friday (8 Oct 2021) 11:45 pm AEST |

Review/Exam Week - 11 Oct 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
|--------------|---------|------------------------------|

Exam Week - 18 Oct 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
|--------------|---------|------------------------------|

Assessment Tasks

1 Comprehensive Literature Review

Assessment Type

Written Assessment

Task Description

In Thesis 1, you explored the literature in your relevant industry/discipline in order to justify your research project. Now you will interrogate the literature to expand and update your knowledge further, in preparation for your final research thesis paper. This requires you to critically analyse and apply the key themes throughout the literature body to your topic. This is important for understanding how your final research paper will be situated within the body of knowledge. As a guide, submissions of approximately 4000-5000 words are more likely to be successful.

Assessment Due Date

Week 6 Friday (27 Aug 2021) 11:45 pm AEST

Return Date to Students

Week 8 Friday (10 Sept 2021)

Weighting

Pass/Fail

Assessment Criteria

Your literature review will be assessed on the following criteria:

- Review explores a significant portion of the available body of literature with regard to the chosen topic
- Critical analysis is substantive and literature is not simply introduced and described
- Review follows a narrative which situates the research project within the relevant specialisation
- Key themes are applied constructively to inform the research project
- Final analysis of the literature identifies and justifies the research gap or need to advance theory in the Safety Sciences
- Submission is formatted appropriately for a literature review
- Submission demonstrates Masters-level academic writing skills
- All sources are referenced properly in line with the current version of Harvard referencing style.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Learning Outcomes Assessed

- Undertake and write an extensive literature review on a topic of safety science.
- Demonstrate an in-depth knowledge of a topic in safety science.

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research
- Self-management
- Ethical and Professional Responsibility
- Leadership

2 Thesis and Presentation

Assessment Type

Presentation and Written Assessment

Task Description

Part A - Thesis

You will write up your final results and outcomes of your research project in the form of a Thesis document which will include a Journal Article for potential publication in a peer-reviewed journal.

Students are expected to submit their final Safety Science Thesis document as one whole document which will encompass a Part A (Pre-Pages), Part B (Journal Article) and Part C (Appendices).

The total word count of the submitted Thesis should be between 5,000-7,000 words. Students will be given detailed information on the structure of the Thesis document via the Moodle site.

Part B - Conference Presentation

You will create and deliver a presentation on your research project, detailing your journey from original concept to project execution, and explain your results in context. You will present via Zoom to an audience of staff and students at the end of the term.

Presentations should be aided by a visual component (typically PowerPoint slides) and should be approximately 20 minutes in length. Upload your slides to Moodle when you have completed your presentation.

Please note, as part of the assessment process, CQU may record your presentation.

Assessment Due Date

Week 12 Friday (8 Oct 2021) 11:45 pm AEST

Return Date to Students

Review/Exam Week Monday (11 Oct 2021)

Weighting

Pass/Fail

Assessment Criteria

Part A - Thesis

Your Thesis will be assessed on the following criteria:

- Pre-Pages appropriately presented
- Abstract clearly articulates a summary of the research conducted
- Introduction to the topic is given which highlights crucial findings from the literature but which does not simply comprise sections of text copied from previous assessments
- Clear statement of research aims and objectives
- Each step of the executed research process is clearly explained, including methods and materials used
- Results are presented in a suitable format (tables, graphs, etc)
- Results are thoroughly discussed with reference to existing studies, theories and/or practices in the relevant discipline
- Discussion is presented on the meeting of research aims and objectives / hypothesis outcomes
- Implications of the project and/or emergent recommendations are identified and discussed
- Any relevant survey measures, data collection tools or questionnaires are included as an appendix
- Submission is formatted appropriately for a research paper
- Submission demonstrates Masters-level academic writing skills
- All sources are referenced properly in line with the current version of Harvard referencing style or the style mandated by the target journal.

- **Part B - Virtual Conference Presentation - 6th, 7th or 8th October 2021 (20 minutes)**
- Your presentation will be assessed on the following criteria:
- Background/context of the topic given to promote audience understanding, including the gap identified in the extant literature
- Research aims and objectives clearly identified
- Method briefly discussed, including brief justification for its selection
- Key results explained concisely and discussed in context of the relevant discipline
- Implications of the project and/or emergent recommendations are highlighted
- A summative statement is provided for whether aims and objectives of the project were met
- Presentation is well-structured and uses appropriately formatted visual aids
- Appropriate use of supporting sources that are consistent with the current version of Harvard referencing style or the style utilised in your written paper

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

Oral and PowerPoint presentation to be delivered via Zoom. Research Paper and presentation slides to be uploaded to Moodle.

Learning Outcomes Assessed

- Conduct research (supported by ethics committee approval) that uses appropriate research methods and data analysis techniques to address research questions.
- Discuss the implications of the research project for theory and practice in safety science.
- Demonstrate an in-depth knowledge of a topic in safety science.

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research
- Self-management
- Ethical and Professional Responsibility
- Leadership

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