ENRP20003 *Engineering Research Project Implementation*
Term 1 - 2018

Profile information current as at 06/05/2024 09:22 pm

General Information

Overview
This unit is designed so that students can complete an investigative study through the analysis of, reflection on and critique of, an area of their professional practice that was commenced in Engineering Research Project Planning. By completing this project, students will contribute to the body of knowledge for their discipline. Students will present their project in a thesis, a professional presentation and a technical paper.

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: ENRP20001 Engineering Research Project Planning
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 1 - 2018

- Distance
- Melbourne
- Perth
- Rockhampton

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 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. **Report**
Weighting: 20%
2. **Thesis/Dissertation**
Weighting: 50%
3. **Essay**
Weighting: 10%
4. **Presentation**
Weighting: 20%

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.

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 Unit evaluation

Feedback
There is good one-on-one guidance.

Recommendation
This practice will be maintained. Students will be instructed to maintain face-to-face meetings and discussion on satisfactory progress.

Feedback from Unit evaluation

Feedback
Good opportunities for extended knowledge.

Recommendation
The standard of project scopes will be maintained in coming years.

Feedback from Unit evaluation

Feedback
More time required to complete the unit.

Recommendation
The extra effort will be given to students who needs more guidance to complete the thesis on-time.

Feedback from self reflection, staff feedback

Feedback
Assessment of the unit need to change in line with feedback received for ENRP20001

Recommendation
Submit a unit change proposal to change assessment

Unit Learning Outcomes

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

1. Implement the project plan prepared in the Planning unit with consultation and guidance from your project advisers and stakeholders
2. Think critically, demonstrate sound analysis, and make rational, justifiable decisions in order to find the optimal, sustainable solution
3. Demonstrate leadership by contributing to the body of knowledge related to the discipline area and participating in professional networks
4. Communicate preliminary results to stakeholders through interim and regular progress reports to solicit timely and constructive feedback
5. Communicate findings using written and oral methods to inform both internal and external workplace practicing professionals
6. Critically reflect on self-performance and develop a plan for lifelong and professional learning.

n/a

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level ○ Introductory Level ● Intermediate Level ● Graduate Level ○ Professional Level ○ Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Report - 20%	●			●		
2 - Presentation - 20%		●	●	●	●	
3 - Thesis/Dissertation - 50%	●	●	●		●	
4 - Essay - 10%						●

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Knowledge		○	○		○	○
2 - Communication	○		○	○	○	○
3 - Cognitive, technical and creative skills	○	○	○		○	○
4 - Research	○	○	○	○	○	○
5 - Self-management			○		○	○
6 - Ethical and Professional Responsibility		○	○	○		○
7 - Leadership		○	○	○		○
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 - Report - 20%	○	○	○	○	○			
2 - Presentation - 20%	○	○	○	○		○	○	
3 - Thesis/Dissertation - 50%	○	○	○	○		○	○	
4 - Essay - 10%		○			○	○		

Textbooks and Resources

Textbooks

There are no required textbooks.

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 styles below:

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

For further information, see the Assessment Tasks.

Teaching Contacts

Edward Palmer Unit Coordinator
e.palmer@cqu.edu.au
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Schedule

Week 1 - 05 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Overview of unit, assessment, expectation of continual documented contact with supervisor.		

Week 2 - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Writing the interim report, expectations as regards format and content.		

Week 3 - 19 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of initial progress		

Week 4 - 26 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of progress		

Week 5 - 02 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of drafts of interim report, expectations. Review of progress		

Vacation Week - 09 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 16 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Writing a dissertation, format, expectations of various sections. Review of progress		**Interim Report** Due: Week 6 Friday (20 Apr 2018) 11:45 pm AEST

Week 7 - 23 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of progress, Writing a technical paper		

Week 8 - 30 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of progress, technical paper, writing the reflective paper		

Week 9 - 07 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
No class. Consultation time with your supervisor		

Week 10 - 14 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of progress, feedback on drafts.		

Week 11 - 21 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of progress, feedback on drafts.		

Week 12 - 28 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Review of presentation techniques		**Dissertation** Due: Week 12 Friday (1 June 2018) 11:45 pm AEST **Reflective Paper** Due: Week 12 Friday (1 June 2018) 11:45 pm AEST

Review/Exam Week - 04 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic
Presentations		**Presentation** Due: Review/Exam Week Wednesday (6 June 2018) 11:45 pm AEST

Exam Week - 11 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic

Term Specific Information

You will continue with the project and supervisor you started with in the planning unit ENRP20001. You must have passed ENRP20001 in order to enroll in ENRP20003.

Assessment Tasks

1 Interim Report

Assessment Type
Report

Task Description
This is a report on progress up to week 6.

Assessment Due Date
Week 6 Friday (20 Apr 2018) 11:45 pm AEST

Return Date to Students
Week 8 Friday (4 May 2018)

Weighting
20%

Minimum mark or grade
25%

Assessment Criteria
1. level of progress to date
2. technical correctness of work completed to date
3. reported issues and mitigations/revisions to risk assessment and timelines
4. spelling, grammar, formatting

Referencing Style

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

Submission
Online

Learning Outcomes Assessed

- Implement the project plan prepared in the Planning unit with consultation and guidance from your project advisers and stakeholders
- Communicate preliminary results to stakeholders through interim and regular progress reports to solicit timely and constructive feedback

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research
- Self-management

2 Dissertation

Assessment Type
Thesis/Dissertation

Task Description
This piece of assessment encapsulates the project as a whole and should be an original piece of research.
It needs to include a signed statement of the form "I hereby declare that to the best of my knowledge, the research described herein is original, except where duly recognized and stated, and the work has not been submitted either wholly or in part for another degree at this or any other university.".
It should include an abstract, introduction and scope, literature review , methodology, results, discussion of results, conclusions and recommendations. It is to be professionally presented and will be sent out for external review. Therefore it must be of high standard. Further details will be given on Moodle and in class.

Assessment Due Date
Week 12 Friday (1 June 2018) 11:45 pm AEST

Return Date to Students
Exam Week Friday (15 June 2018)
The dissertation should be returned to students once grades are moderated and released, however the process of external review may delay the final result.

Weighting
50%

Minimum mark or grade
50%

Assessment Criteria
1. standard of project, scope and literature review.
2. explanation and justification of methodology
3. correctness of results
4. quality of discussion of results
5. validity of conclusions and recommendations
6. formatting, spelling, grammar

Referencing Style

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

Submission
Online

Submission Instructions
Dissertation should be uploaded using the Moodle link provided

Learning Outcomes Assessed

- Implement the project plan prepared in the Planning unit with consultation and guidance from your project advisers and stakeholders
- Think critically, demonstrate sound analysis, and make rational, justifiable decisions in order to find the optimal, sustainable solution
- Demonstrate leadership by contributing to the body of knowledge related to the discipline area and participating in professional networks
- Communicate findings using written and oral methods to inform both internal and external workplace practicing professionals

Graduate Attributes

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

3 Reflective Paper

Assessment Type
Essay

Task Description
A short reflection on your performance during this project, what you have learned and its relevancy to your future career. It should also include a reflection on Engineers Australia Stage 1 competency standards.

Assessment Due Date
Week 12 Friday (1 June 2018) 11:45 pm AEST

Return Date to Students
Exam Week Monday (11 June 2018)

Weighting
10%

Minimum mark or grade
25%

Assessment Criteria
1. clarity of reflections
2. statement of skills obtained
3. statement of relevance of project work undertaken to future career.

Referencing Style

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

Submission
Online

Learning Outcomes Assessed

- Critically reflect on self-performance and develop a plan for lifelong and professional learning.

Graduate Attributes

- Communication
- Self-management
- Ethical and Professional Responsibility

4 Presentation

Assessment Type
Presentation

Task Description
Presentation of the project as a whole together with conclusions and recommendations.

Assessment Due Date
Review/Exam Week Wednesday (6 June 2018) 11:45 pm AEST
Exact time of presentations will be announced

Return Date to Students
Exam Week Friday (15 June 2018)
Presentation feedback will be given after grade moderation

Weighting
20%

Minimum mark or grade
25%

Assessment Criteria
1. technical correctness
2. success of project
3. clarity of slides
4. Timing

Referencing Style

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

Submission
Offline

Learning Outcomes Assessed

- Think critically, demonstrate sound analysis, and make rational, justifiable decisions in order to find the optimal, sustainable solution
- Demonstrate leadership by contributing to the body of knowledge related to the discipline area and participating in professional networks
- Communicate preliminary results to stakeholders through interim and regular progress reports to solicit timely and constructive feedback
- Communicate findings using written and oral methods to inform both internal and external workplace practicing professionals

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research
- 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