



AINV13006 Crash Lab Project 2

Term 2 - 2018

Profile information current as at 09/05/2024 12:05 pm

All details in this unit profile for AINV13006 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 will provide you with the opportunity to consolidate and apply all of the accident investigation and analysis theory studied in the Accident Forensics course. You will write a detailed accident investigation report, embracing the learnings of the entire Accident Forensics curriculum. During the residential school, you will be observing and reflecting on a demonstration court, and you will present evidence from your report and be cross-examined in the simulated court environment.

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: AINV13003 Crash Lab Project 1 and Corequisite: AINV13004 Learning from Failure

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 - 2018

- Brisbane
- Bundaberg
- Gladstone
- Melbourne
- Mixed Mode
- Rockhampton
- 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).

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 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. **Group Discussion**

Weighting: Pass/Fail

2. **Written Assessment**

Weighting: 80%

3. **Practical Assessment**

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](#).

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 Student feedback

Feedback

Students appreciated that they could continue to request additional evidence as new lines of inquiry emerged in their investigations.

Recommendation

Continue to provide the opportunity to obtain additional evidence to support the development of new lines of inquiry for the investigations.

Feedback from Assessor feedback

Feedback

Students would benefit from introducing a draft report stage into the major report assessment.

Recommendation

Structure the report assessment to introduce a draft report and feedback stage, followed by a final submission stage.

Feedback from Residential school feedback

Feedback

Students were challenged by and enjoyed the opportunity to present evidence in a simulated court environment.

Recommendation

Develop the court residential school to further enrich the demonstration court and evidence presentation experiences.

Unit Learning Outcomes

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

1. Prepare a detailed report and present evidence on a designated accident investigation
2. Critically evaluate the usefulness of observed court processes, evidence and outcomes in Accident Forensics
3. Employ effective communication strategies appropriate to disseminating findings from a major accident
4. Demonstrate reflective skills appropriate to the development of the graduating accident investigator.

Nil

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Group Discussion - 0%	•			•
2 - Written Assessment - 80%	•		•	
3 - Practical Assessment - 20%		•	•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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 - Group Discussion - 0%	•		•	•		•	•	•		
2 - Written Assessment - 80%	•	•	•	•		•	•	•		
3 - Practical Assessment - 20%	•		•	•		•	•	•		

Textbooks and Resources

Textbooks

There are no required textbooks.

Additional Textbook Information

There are no set textbooks for this unit. Students are encouraged to use their own research to find materials to support their projects.

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: [Harvard \(author-date\)](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Kevin Perry Unit Coordinator
k.perry@cqu.edu.au

Schedule

Week 1 - 09 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Introduction and expectations Moodle and the term ahead Investigation Reporting Purpose of the report Knowing your audience		Tutorial 1 : What do good reports look like & helping the reader.

Week 2 - 16 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Investigation Reporting Structure and what goes in a good report? Language Report assessment		Tutorial 2 : Road Testing your Report Structure

Week 3 - 23 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Investigation Reporting Looking at all of the lines of inquiry		Tutorial 3 : Incorporating learnings from Human Factors Investigation and developing further lines of inquiry Group Discussion 1 Due Monday (23-Jul-18) 09:00 AM AEST

Week 4 - 30 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Investigation Reporting Revisiting logic diagrams & narration		Tutorial 4 : Logic diagrams open forum

Week 5 - 06 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Investigation Reporting Analysis		Tutorial 5 : Writing and drafting Group Discussion 2 Due Monday (6-Aug-18) 09:00 AM AEST

Vacation Week - 13 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 20 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Investigation reporting Conclusions & recommendations		Practical session - writing recommendations

Week 7 - 27 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Extending Your Lines of Enquiry		Tutorial 6 - Roadtest - Incorporating learnings from Learning from Failure and developing further lines of inquiry Group Discussion 3 Due Monday 27-Aug-18) 09:00 AM AEST

Week 8 - 03 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
No lecture this week, Tutorial only		Tutorial 7 - Open discussion - report nearing completion??? Proof reading strategies. Double checking of grammar and punctuation. Draft report Due Monday 3 Sept-18) 09:00 AM AEST

Week 9 - 10 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Court Background to Court Procedures		Tutorial by request: problem solving report writing or court procedures Closing of evidence collection requests Friday 15 September 2018 9.00am. Responses to colleagues reports Due Monday 10 Sept-18) 09:00 AM AEST

Week 10 - 17 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Court Law in relation to Evidence		Tutorial by request: problem solving report writing or court procedures Formal Investigation Report Due: Week 10 Monday (17 Sept 2018) 9:00 am AEST

Week 11 - 24 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Court Giving Evidence		

Week 12 - 01 Oct 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture - Court Other Issues		Group Discussion 4 Due Monday (1-Oct-18) 09:00 AM AEST

Review/Exam Week - 08 Oct 2018

Module/Topic	Chapter	Events and Submissions/Topic
8-12 October - Residential School (Rockhampton)		8 October - Demonstration court 9 - 12 October 1-2 hours each student defending their report in the witness box. Court Procedures Discussion and Report Due: Review/Exam Week Friday (12 Oct 2018) 11:45 pm AEST

Exam Week - 15 Oct 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Assessment Tasks

1 Group Discussion

Assessment Type

Group Discussion

Task Description

During the term, your Unit Coordinator will post four discussion questions in Moodle, aimed at enabling you to apply your skills to the report and maintain reasonable progress. You are required to respond thoughtfully to each of the four discussion questions through a post on the Moodle site, as well as reply constructively on the Moodle site to at least two other students' post in each of the four discussion questions.

Assessment Due Date

As per study schedule

Return Date to Students

Within three weeks

Weighting

Pass/Fail

Minimum mark or grade

Students must pass this assessment to pass the unit.

Assessment Criteria

You will be assessed on your demonstration of reflective skills appropriate to the development of the graduating practitioner

The following areas will be assessed:

- Demonstrated understanding of the question
- Stated position or argument clearly & concisely
- Supported position with authoritative sources & referenced
- Constructive response to at least two other students
- Engagement as a responsible member of the learning community.

Detailed assessment rubrics will be available on Moodle during the term.

Referencing Style

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

Submission

Online

Submission Instructions

Submit via each relevant discussion thread in Moodle.

Learning Outcomes Assessed

- Prepare a detailed report and present evidence on a designated accident investigation
- Demonstrate reflective skills appropriate to the development of the graduating accident investigator.

Graduate Attributes

- Communication
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

2 Formal Investigation Report

Assessment Type

Written Assessment

Task Description

Students are to complete the analysis and investigation of their Crash Lab Project 1 accident and prepare a detailed report of the investigation.

The report should demonstrate all the learnings from the Accident Forensics course to date.

The investigation needs to be thorough and must contain at least thirty lines of enquiry. During this term, students are expected to develop additional lines of enquiry, incorporating learnings from other third year units, especially the principles of human factors investigation and AINV13004 Learning from Failure. Accordingly additional evidence may be requested for the scenario.

The final report will be assessed on the content, logic and comprehensiveness of the report. Detailed guidance will be provided during the term as to the content of the report. As a **minimum** the following sections are to be addressed in your report:

- Executive Summary
- Introduction
- Description of the Accident
- Description of the Investigation
- Analysis and testing, including Timeline, PEEPO and Event Tree
- Relevant learnings from similar accidents
- Research of relevant legislation, codes and standards that have a bearing on the causal factors.
- Findings
- Conclusions
- Recommendations
- Attachments (All investigation artefacts, including logs, continuity records photographs, scene maps, witness statements, evidence logs, logic diagrams etc)
- References: It is expected your report will be fully referenced including references from literature, legislation, codes and standards.

Note : The final report and event tree should include eliminated lines of inquiry highlighted in a manner that it is obvious to the reader. The requirements for the investigation and report will be discussed in Week 1.

Additional information, support and practice opportunities will be available throughout the term.

Part A: Draft report (20%)

You will post a draft of your report in Moodle for your colleagues to review and provide feedback. (10%)

You will review and provide constructive feedback to **two** of your colleagues' reports. (2x5%)

Part B: Final report (60%)

You are required to submit a digital copy of your completed report by the due date via the Moodle site. You are also required to bring 3 bound copies of your report with you to the simulated court residential school.

Assessment Due Date

Week 10 Monday (17 Sept 2018) 9:00 am AEST

Draft Report is to be posted on 3 September 2018 09:00 AEST and responses to your colleagues due 10 September 2018 09:00 AEST. Failure to submit your final report by the due date (17/9/2018) could result in your report missing the schedule for you to defend your report at the simulated court residential school.

Return Date to Students

Within three weeks

Weighting

80%

Minimum mark or grade

Students must pass both parts A & B in order to pass this assessment.

Assessment Criteria

The total marks allocated for this assessment is 100 (20 for part A and 80 for part B). This represents 80% of the overall grade for the unit.

Part A: Draft report (20 marks)

1. Draft report showing substantial progress against Part B criteria (10 marks)
2. Constructive feedback to **two** of your colleagues' reports. (2x5marks)

Part B: Final report (80 marks)

The report will be assessed using the following points:

1. Introduction
2. Establishment of the facts and supports evidence from the scene in the form of relevant photographs, sketches and maps
3. Photographs accurately depict the scene management and evidence collection process. They are cross-

referenced and recorded accurately.

4. The final scale map accurately depicts the accident scene, based on the information provided on the sketch map.
5. Witness statements are included in the evidence
6. Critical witness evidence is taken into consideration in the causation argument
7. PEEPO
8. Timeline
9. Event Tree showing a minimum of 30 lines of inquiry, all causation sequences back to the latent failures for each line of inquiry.
10. Causation narrative describing all of the causation sequences leading to the event
11. Analysis considers other accidents of same type
12. Logical conclusions are drawn from the evidence and analysis
13. Recommendations are made to address each causal factors
14. Report demonstrates application of knowledge from throughout the program
15. Formatting & presentation
16. Uses written expression appropriate to a report
17. Sources and referencing (eg. company documents, Australian Standards, Codes of Practice, legislation)

Criteria 1-6: Introduction and evidence - 20 marks

Criteria 7-9: Analysis of evidence - 25 marks

Criteria 10-14: Conclusions & recommendations - 25 marks

Criteria 15-17: Professional report formatting, written expression and referencing - 10 marks

Detailed assessment rubrics will be available on Moodle during the term.

Referencing Style

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

Submission

Online

Learning Outcomes Assessed

- Prepare a detailed report and present evidence on a designated accident investigation
- Employ effective communication strategies appropriate to disseminating findings from a major accident

Graduate Attributes

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

3 Court Procedures Discussion and Report

Assessment Type

Practical Assessment

Task Description

This assessment consists of three parts.

Part A : Demonstration Court and Reflection (20%)

During the compulsory Residential school in Rockhampton, you will observe a Demonstration Court and evaluate court procedures in action. You must personally observe **ALL** sessions of the Demonstration Court. You will discuss their learnings and write a reflection on the effectiveness of the prosecution's case, including the presentation of evidence and the effectiveness of witness testimony.

Part B : Witness' Testimony (Pass/Fail)

During the compulsory Residential school in Rockhampton, you will give evidence on the content of your accident report from the witness box in the simulated court and be cross-examined on your evidence.

Part C : Professionalism (Pass/Fail)

Throughout the residential school, you will be assessed on their ability to apply professional approaches to all activities. Additional information shall be provided during term.

Assessment Due Date

Review/Exam Week Friday (12 Oct 2018) 11:45 pm AEST

The Part A Reflection is due Fri 12/10/18. All practical components will be assessed during the Residential School

Return Date to Students

Within 2 weeks of submission date

Weighting

20%

Minimum mark or grade

To pass this assessment, students must pass each of Part A, Part B and Part C.

Assessment Criteria

Part A: Demonstration court and reflection (20%)

The total marks allocated for Part A is 100. This represents 20% of the overall grade for the unit.

You will be assessed against the following criteria:

1. Ability to actively and constructively participate in discussions during the Demonstration Court and subsequent debrief sessions - 20marks
2. Reflection and learnings on the following areas:
 - a. Importance of accurate evidence in the preparation of an accident report - 15 marks
 - b. Observation of witnesses in the demonstration court - 15 marks
 - c. The role of an investigator in the court process as observed in the demonstration court -15 marks
 - d. Any changes that you would make if required to undertake an investigation again - 15 marks
 - e. How you would prepare for court in the future -15 marks

3. Written expression - 5 marks

Part B: Witness' testimony (Pass/Fail)

You will be assessed on your actions within the court scenario during:

- Identification and oath/affirmation process
- evidence in chief
- cross examination
- re-examination

Part C: Professionalism (Pass/Fail)

You will be assessed on your professionalism during the residential school.

Referencing Style

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

Submission

Online

Learning Outcomes Assessed

- Critically evaluate the usefulness of observed court processes, evidence and outcomes in Accident Forensics
- Employ effective communication strategies appropriate to disseminating findings from a major accident

Graduate Attributes

- Communication
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

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