



# AINV13006 Crash Lab Project 2

## Term 2 - 2020

Profile information current as at 19/04/2024 05:15 am

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 - 2020

- Adelaide
- Brisbane
- Bundaberg
- Gladstone
- Mixed Mode
- 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).

#### 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 Have your say

##### Feedback

There was not enough exposure to modern technologies in use in industry. These include photogrammetry, drones and 3D scanning.

##### Recommendation

It is recommended to continue to investigate how modern technology like photogrammetry, drones and 3D scanning can be introduced into this unit in order to expose students to the modern technology available and applicable for crash lab exercises.

## 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	•			

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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.

### 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](mailto:k.perry@cqu.edu.au)

## Schedule

### Week 1 - 13 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Introduction and expectations</b> Moodle and the term ahead Investigation Reporting Purpose of the report Knowing your audience		

### Week 2 - 20 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Investigation Reporting</b> Structure and what goes in a good report? Language Report assessment Road Testing your Report Structure		Group Discussion 1 due 09.00am Friday 24 July 2020

### Week 3 - 27 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Investigation Reporting</b> Looking at all of the lines of inquiry		

### Week 4 - 03 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Investigation Reporting</b> Revisiting logic diagrams & narration		Group Discussion 2 due 09.00am Friday 7 August 2020

### Week 5 - 10 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Investigation Reporting</b> Writing your analysis		

### Vacation Week - 17 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
		Draft report required to be provided to Course Coordinators email on Monday 17 August 2020 Group Discussion 3 due 09.00am Friday 21 August 2020

### Week 6 - 24 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Investigation reporting</b> Writing conclusions & recommendations		

**Week 7 - 31 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
Zoom Lecture - Extending Your Lines of Enquiry		

**Week 8 - 07 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
No lecture this week, Tutorial only		Court Procedures Discussion and Report Part A due 09.00am Monday 7 September 2020

**Week 9 - 14 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Court</b> Background to Court Procedures		

**Week 10 - 21 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Court</b> Law in relation to Evidence		

**Week 11 - 28 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Court</b> Giving Evidence		<b>Formal Investigation Report</b> Due: Week 11 Monday (28 Sept 2020) 9:00 am AEST

**Week 12 - 05 Oct 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Zoom Lecture - Court</b> Other Issues		

**Review/Exam Week - 12 Oct 2020**

Module/Topic	Chapter	Events and Submissions/Topic

**Exam Week - 19 Oct 2020**

Module/Topic	Chapter	Events and Submissions/Topic
		Proofing of evidence to be undertaken this week. Unit coordinator to allocate times.

## Term Specific Information

Due to travel restrictions, the compulsory residential school will be undertaken as an online exercises. This includes the proofing of evidence task and the critique of a demonstration court.

## Assessment Tasks

### 1 Group Discussion

**Assessment Type**

Group Discussion

**Task Description**

During the term, your Unit Coordinator will post three 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 three 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.

## 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

You are to complete the analysis and investigation of your Crash Lab Project 1 / Investigative Methods Practice 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 demonstrated in your event tree. 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 you may request additional evidence for your 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.

You are required to submit a digital copy of your completed report by the due date via the Moodle site.

### **Assessment Due Date**

Week 11 Monday (28 Sept 2020) 9:00 am AEST

### **Return Date to Students**

Within three weeks

### **Weighting**

80%

### **Minimum mark or grade**

Students must pass this assessment in order to pass this unit.

### **Assessment Criteria**

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

### **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 two parts.

#### Part A : Demonstration Court and Reflection (20%)

You will be provided a prosecution brief of evidence prepared by an investigator You will also be provided with a recording of a demonstration court which will show two investigators providing evidence. You are required to watch the recording. You will discuss your learnings and write a guided reflection on the effectiveness of the prosecution's case, including the presentation of evidence in the court and the effectiveness of witness testimony. Questions will be provided in Moodle to guide your reflection.

#### Part B : Investigator under cross examination (Pass/Fail)

You will be required to be available to defend your final report under scrutiny from a Lawyer. You will be required to attend online and provide answers under an evidence proofing environment regarding your report. These proofing sessions will be held online and recorded.

### Assessment Due Date

The Part A is due Fri 7/9/20. Part B will be undertaken during Exam week

### Return Date to Students

Within 2 weeks of submission date

### Weighting

20%

### Minimum mark or grade

To pass this assessment, students must pass both Part A & Part B

### Assessment Criteria

#### Part A: Demonstration court and reflection (20%)

Reflection and learnings on the following areas:

- Importance of accurate evidence being collected and recorded during an investigation in the preparation of an accident report - 4 marks
- The role of an investigator in the court process as observed in the demonstration court -4 marks
- Any changes that you would make if required to undertake an investigation again - 4 marks
- How you would prepare for being cross examined in the future - 4 marks
- Written expression - 4 marks

#### Part B: Investigator under cross examination (Pass/Fail)

You will be assessed on your actions within the evidence proofing process including:

- Knowledge of your report
- Understanding of the tools used within your report
- Confidence and consistence whilst under scrutiny
- Professionalism and respect for the lawyer

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**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