

AVAT11012 *Introduction to Flight Operations*

Term 1 - 2025

Profile information current as at 12/03/2026 11:00 am

All details in this unit profile for AVAT11012 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

In Aviation Practice, you will learn how to use checklists for single-pilot operation flying, which will support your development towards multiple crew operations. In the flight simulation labs, you will learn the proper use and effect of primary and ancillary controls on the ground and in the air. You will fly simulated air exercises including: straight and level, climbing, descending, turning, and stalling. You will demonstrate flying the circuit pattern with air traffic control procedures and phraseology as part of your final assessment. The simulation will utilise the Lockheed Martin Prepared 3D software.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

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 - 2025

- Cairns
- Online

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: 30%

2. In-class Test(s)

Weighting: 30%

3. Direct observation of procedural skills (DOPs)

Weighting: 40%

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 SUTE

Feedback

Assessment feedback was insufficient.

Recommendation

Assessment rubric and feedback format should be updated to make it easier to provide detailed feedback.

Unit Learning Outcomes

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

1. Apply appropriate aviation terminology
 2. Explain the proper use of aviation procedures
 3. Demonstrate effective decision-making skills in a flight environment
 4. Demonstrate proper aircraft handling techniques in a safe and correct manner in a simulated flight.
- 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
1 - Online Quiz(zes) - 30%	●	●		
2 - In-class Test(s) - 30%		●	●	●
3 - Direct observation of procedural skills (DOPs) - 40%	●		●	●

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 - First Nations Knowledges				

Graduate Attributes

Learning Outcomes

1 2 3 4

11 - Aboriginal and Torres Strait Islander Cultures

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: [American Psychological Association 7th Edition \(APA 7th edition\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Carl Gu Unit Coordinator
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Schedule

Week 1 - 10 Mar 2025

Module/Topic	Chapter	Events and Submissions/Topic
Aircraft and terminology		

Week 2 - 17 Mar 2025

Module/Topic	Chapter	Events and Submissions/Topic
Radio communications		

Week 3 - 24 Mar 2025

Module/Topic	Chapter	Events and Submissions/Topic
Structure, propulsion, fuel systems		

Week 4 - 31 Mar 2025

Module/Topic	Chapter	Events and Submissions/Topic
Electrical, hydraulic systems, and instruments		

Week 5 - 07 Apr 2025

Module/Topic	Chapter	Events and Submissions/Topic
Air law		Online Quiz - Assessment 1 Due: Week 5 Friday (11 Apr 2025) 11:59 pm AEST

Vacation Week - 14 Apr 2025 Module/Topic	Chapter	Events and Submissions/Topic
Week 6 - 21 Apr 2025 Module/Topic Aerodynamics - basics	Chapter	Events and Submissions/Topic
Week 7 - 28 Apr 2025 Module/Topic Aerodynamics - performance	Chapter	Events and Submissions/Topic
Week 8 - 05 May 2025 Module/Topic Meteorology	Chapter	Events and Submissions/Topic
Week 9 - 12 May 2025 Module/Topic Loading	Chapter	Events and Submissions/Topic
Week 10 - 19 May 2025 Module/Topic Takeoff and landing performance	Chapter	Events and Submissions/Topic
Week 11 Residential school in Cairns - 26 May 2025 Module/Topic Residential school in Cairns for one week	Chapter	Events and Submissions/Topic Residential School Practical Assessment Due: Week 11 Monday (26 May 2025) 11:45 pm AEST
Week 12 - 02 Jun 2025 Module/Topic No teaching or learning tasks in this week.	Chapter	Events and Submissions/Topic
Review/Exam Week - 09 Jun 2025 Module/Topic	Chapter	Events and Submissions/Topic
Exam Week - 16 Jun 2025 Module/Topic	Chapter	Events and Submissions/Topic

Assessment Tasks

1 Online Quiz - Assessment 1

Assessment Type

Online Quiz(zes)

Task Description

The Quiz (On material covered in Weeks 1-4) will be open from 7-11 April of Week 5. You can sit the Quiz online at a time of your choosing on those dates.

Number of Quizzes

Frequency of Quizzes

Assessment Due Date

Week 5 Friday (11 Apr 2025) 11:59 pm AEST

Return Date to Students

Weighting

30%

Assessment Criteria

No Assessment Criteria

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Apply appropriate aviation terminology
- Explain the proper use of aviation procedures

2 Online Test (similar to Quiz) - Assessment 2

Assessment Type

In-class Test(s)

Task Description

The test will be open from 23-25 May 2025 of Week 10. 20 questions. Content tested will be from weeks 5 to 10 of the course. You can sit the Quiz online at a time of your choosing on those dates. CLOSED BOOK. Please do not refer to any notes, PowerPoint slides or external sources.

Assessment Due Date

Due 25 May 2025, 11:59 PM

Return Date to Students

Weighting

30%

Assessment Criteria

No Assessment Criteria

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Explain the proper use of aviation procedures
- Demonstrate effective decision-making skills in a flight environment
- Demonstrate proper aircraft handling techniques in a safe and correct manner in a simulated flight.

3 Residential School Practical Assessment

Assessment Type

Direct observation of procedural skills (DOPs)

Task Description

Residential School (Flight Sim on PC's) Direct observation of procedural skills. Assessment will be based on basic flight principles taught and assessed in the Flight Simulator Residential school. You will attend Week 11, 26-30 May 2025, in Cairns. You will need to make your own travel and accommodation arrangements. A two-hour sim session will take place daily that week. The sim sessions will be held on the ground floor of the CQU Aviation Dept, Cairns Airport, in the Tom McDonald building.

Assessment Due Date

Week 11 Monday (26 May 2025) 11:45 pm AEST

Completed in class

Return Date to Students

Weighting

40%

Assessment Criteria

No Assessment Criteria

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

No submission method provided.

Learning Outcomes Assessed

- Apply appropriate aviation terminology

- Demonstrate effective decision-making skills in a flight environment
- Demonstrate proper aircraft handling techniques in a safe and correct manner in a simulated flight.

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