



AVAT11012 Introduction to Flight Operations

Term 1 - 2024

Profile information current as at 05/09/2024 01:37 pm

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 - 2024

- 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](#).

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



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 - Aboriginal and Torres Strait Islander Cultures				

Textbooks and Resources

Textbooks

There are no required textbooks.

Additional Textbook Information

We will refer the Visual Flight Rules Guide (available free online).

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

No referencing style set.

Teaching Contacts

Steve Leib Unit Coordinator

s.leib@cqu.edu.au

David Jensen Unit Coordinator

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Schedule

Week 1 - 04 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 2 - 11 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 3 - 18 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 4 - 25 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 5 - 01 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Vacation Week - 08 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 15 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 7 - 22 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 8 - 29 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 9 - 06 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 10 - 13 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
		Online Test (similar to Quiz) - Assessment 2 Due: Week 10 Monday (13 May 2024) 11:45 pm AEST

Week 11 Residential school in Cairns. - 20 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
Residential school in Cairns for one week - 20/5/24 to 24/5/24		

Week 12 - 27 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
No teaching or learning tasks in this week.		

Review/Exam Week - 03 Jun 2024

Module/Topic	Chapter	Events and Submissions/Topic
No exam for this topic.		

Exam Week - 10 Jun 2024

Module/Topic	Chapter	Events and Submissions/Topic
No exam for this topic.		

Assessment Tasks

1 Online Quiz - Assessment 1.

Assessment Type

Online Quiz(zes)

Task Description

This is an online quiz that will test your BAK knowledge up through Week 5.

Number of Quizzes

1

Frequency of Quizzes

Other

Assessment Due Date

Week 5 through the relevant Moodle portal.

Return Date to Students**Weighting**

30%

Assessment Criteria

This is a multiple choice quiz that will assess you on the BAK principles, flight operational requirements, and theory up through Week 5.

Submission

Online

Submission Instructions

Via the relevant Moodle portal.

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

This is an online quiz that will test your BAK knowledge you learned between Weeks 5 and 10.

Assessment Due Date

Week 10 Monday (13 May 2024) 11:45 pm AEST

Via the relevant Moodle portal.

Return Date to Students

Weighting

30%

Assessment Criteria

This is a multiple choice quiz that will assess you on the BAK principles, flight operational requirements, and theory between Week 5 and Week 10. Please note that some content may rely on foundational topics that were studied in the unit prior to Week 5.

Submission

Online

Submission Instructions

Via the relevant Moodle portal.

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

This practical assessment will occur during the residential school, in which you will undertake practical flight training in a desktop simulator.

Assessment Due Date

During your residential school

Return Date to Students

Weighting

40%

Assessment Criteria

You will be assessed on your procedural competence and judgement in performing a basic flight circuit at the Cairns International Airport in the flight simulator. Please refer to moodle for more details about the grading criteria.

Submission

Offline

Submission Instructions

Submit in person during the residential school

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