AVAT11003 *Basic Aeronautical Practice*
Term 1 - 2022

Profile information current as at 13/12/2025 05:49 pm

General Information

Overview
In Basic Aeronautical Practice you will receive basic flight training in the training area and circuit area prior to your first solo flight. This unit will provide you with up to 13 hours of basic aeronautical experience in a small general aviation aeroplane. You will learn how to control an aircraft and maintain it at a constant altitude, heading and speed. You will learn how to change altitude, make turns and manoeuvre the aircraft. You will learn how to recognise the symptoms of entry and how to recover from a stall. This should enable you to fly as pilot in command of an aircraft in the circuit area of the training aerodrome. You will be required to attend a flight training provider approved by the Head of Course in order to complete this unit.

Details
Career Level: *Undergraduate*
Unit Level: *Level 1*
Credit Points: *12*
Student Contribution Band: *8*
Fraction of Full-Time Student Load: *0.25*

Pre-requisites or Co-requisites
Co-requisite: AVAT11002 Basic Aeronautical Knowledge
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 - 2022

- Brisbane
- Bundaberg
- Cairns
- Online
- Perth

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 Undergraduate 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. **Online Test**
Weighting: Pass/Fail
2. **Practical Assessment**
Weighting: Pass/Fail

Assessment Grading

This is a pass/fail (non-graded) unit. To pass the unit, you must pass all of the individual assessment tasks shown in the table above.

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 Unit Coordinator

Feedback

The introduction of the aviation checklist has improved the completion of duties required for this unit and the application process into the CL17 course.

Recommendation

Checklist will be enhanced further.

Feedback from Unit Coordinator

Feedback

Student flight training progress reporting needs to enhance.

Recommendation

Flight Management Software will help administer this task. Flight Providers are required to send monthly updates on student flight progress.

Unit Learning Outcomes

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

1. Explain how to fly an aeroplane in all manoeuvres involved in a circuit and approach to a runway
2. Control an aircraft translationally and rotationally in flight
3. Fly an aircraft at a constant altitude, heading and airspeed
4. Manoeuvre an aircraft to nominated altitude at constant airspeed and heading
5. Perform various turns on to a particular heading
6. Recognise the symptoms and recover from a stall
7. Fly a circuit and approach to a runway under various conditions
8. Communicate appropriately with aeronautical staff.

N/A. No external accreditation

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	7	8
1 - Online Test - 0%	•							
2 - Practical Assessment - 0%		•	•	•	•	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes							
	1	2	3	4	5	6	7	8
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 - Online Test - 0%		•	•					•		
2 - Practical Assessment - 0%	•	•	•		•					

Textbooks and Resources

Textbooks

AVAT11003

Prescribed

Basic Aeronautical Knowledge including Human Factors
(2018)
Authors: David Robson
Aviation Theory
Brisbane , QLD , Australia
Binding: Hardcover

Additional Textbook Information

Both textbooks and uniforms can be purchased at the CQUni Bookshop. Search on the unit code

here:http://bookshop.cqu.edu.au

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

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Schedule

Week 1 - 07 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Basic Aeronautical Knowledge Effects of Controls Flight Lecture Straight and Level Flight Lectures		All lectures will be available through Moodle

Week 2 - 14 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
Climbing and Descending Flight Lectures Medium Level Turns, Climbing and Descending Turns Flight Lectures		All lectures will be available through Moodle

Week 3 - 21 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
Stalling and Circuits Flight Lectures BAP Theoretical Knowledge Online Test Friday 25 March		All lectures will be available through Moodle There will be a 2 hours BAP theoretical knowledge online test. **BAP Theoretical Knowledge Online Test (50%)** Due: Week 3 Friday (25 Mar 2022) 2:00 pm AEST

Week 4 - 28 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 5 - 04 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Vacation Week - 11 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 6 - 18 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 7 - 25 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 8 - 02 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 9 - 09 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 10 - 16 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 11 - 23 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Week 12 - 30 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Review/Exam Week - 06 Jun 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Exam Week - 13 Jun 2022

Module/Topic	Chapter	Events and Submissions/Topic
Flight Training		Flight Provider

Term Specific Information

There will be five lectures, two per week during weeks 1 and 2. In week 3 there will be one lecture and the online test on Friday 25th March.

Assessment Tasks

1 BAP Theoretical Knowledge Online Test (50%)

Assessment Type
Online Test

Task Description
This will be an online 2 hour test on the flight briefings and lecturers. It will take place in week 3. (Friday 25th March.) The test needs to be passed with > 50% and will be held before census date.

Assessment Due Date
Week 3 Friday (25 Mar 2022) 2:00 pm AEST

The test will be at 2pm on Friday 25th March.

Return Date to Students
Week 3 Friday (25 Mar 2022)

Weighting
Pass/Fail

Minimum mark or grade
50%

Assessment Criteria
Online exam. Multiple choice questions. Closed book. Time allowed 120 minutes.

Referencing Style

- American Psychological Association 7th Edition (APA 7th edition)

Submission
Online

Submission Instructions
Test will be done online.

Learning Outcomes Assessed

- Explain how to fly an aeroplane in all manoeuvres involved in a circuit and approach to a runway

Graduate Attributes

- Problem Solving
- Critical Thinking
- Ethical practice

2 Practical Flight Test (50%).

Assessment Type
Practical Assessment

Task Description
In order to pass the Practical Flight Test a student will need to perform all flight manoeuvres at first solo standard.

Assessment Due Date

13.5 total hours flown and solo check completed and all verified by respective flight provider

Return Date to Students

Weighting
Pass/Fail

Minimum mark or grade
50%

Assessment Criteria
In order to pass the Practical Flight Test a student will need to perform all flight manoeuvres to first solo standard.

Referencing Style

- American Psychological Association 7th Edition (APA 7th edition)

Submission
No submission method provided.

Learning Outcomes Assessed

- Control an aircraft translationally and rotationally in flight
- Fly an aircraft at a constant altitude, heading and airspeed
- Manoeuvre an aircraft to nominated altitude at constant airspeed and heading
- Perform various turns on to a particular heading
- Recognise the symptoms and recover from a stall
- Fly a circuit and approach to a runway under various conditions
- Communicate appropriately with aeronautical staff.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Team Work

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