



# AVAT20006 Advanced Aeronautical Practice 2

## Term 3 - 2020

Profile information current as at 05/05/2024 08:32 pm

All details in this unit profile for AVAT20006 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

Advanced Aeronautical Practice 2 provides you with the general handling and navigation training for the Command Instrument Rating. Your flight training will be conducted by an approved external flight training provider. You will accumulate the aeronautical experience required for the Multi Engine Endorsement and Multi Engine Command Instrument Rating, both in a simulator and a light aircraft. You will have the opportunity to identify meteorological conditions that require instrument navigation. You will also further develop your critical reflection and self analysis skills enabling you to improve your instrument flight rules and procedures operating skills. During this unit you will keep a reflective journal which will assist you to present a critical analysis of your experience at the end of the unit. After completing this unit you should meet the requirements for the issue of a Multi Engine Command Instrument Rating. You will be required to attend residence school on the Cairns Campus in order to satisfy part of the assessment.

#### Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

Credit Points: 12

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.25

#### Pre-requisites or Co-requisites

Prerequisite: AVAT20005 Advanced Aeronautical Practice 1

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 3 - 2020

- Bundaberg
- Cairns
- Mixed Mode
- 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).

#### 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 12-credit Postgraduate 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. **Practical Assessment**

Weighting: Pass/Fail

#### 2. **Presentation**

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 observation

**Feedback**

Student flight practical monitoring progress.

**Recommendation**

Student flight practical reporting reports are introduced.

#### Feedback from UC observation

**Feedback**

Assignment and presentation instructions

**Recommendation**

All assignment instructions were harmonised and improved to be in sync with all other CL17 flight units.

## Unit Learning Outcomes

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

1. Develop an Instrument Flight Rules flight plan for a multi-destination commercial navigation exercise
2. Conduct instrument tracking and instrument approaches on a simulator and a light aircraft
3. Identify meteorological conditions requiring instrument navigation
4. Analyse and reflect critically on your Instrument Flight Rules training
5. Communicate clearly and coherently with aviation staff.

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	5
1 - Practical Assessment - 0%	•	•	•		•
2 - Presentation - 0%				•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Knowledge	○	○	○	○	○
2 - Communication	○	○	○	○	○
3 - Cognitive, technical and creative skills	○	○	○	○	○
4 - Research				○	○
5 - Self-management	○	○	○	○	○
6 - Ethical and Professional Responsibility	○	○	○	○	○
7 - Leadership					
8 - 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
1 - Practical Assessment - 0%	○	○	○		○	○		
2 - Presentation - 0%	○	○	○	○	○	○		

## 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

**Arno Mueckenhausen** Unit Coordinator  
[a.mueckenhausen@cqu.edu.au](mailto:a.mueckenhausen@cqu.edu.au)

## Schedule

### Week 1 - 09 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
ADF Orientation and Tracking VOR Orientation and Tracking ADF and VOR Holding Patterns		Simulator Theory Instruction at the Flight Training Provider

### Week 2 - 16 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
NDB and VOR Letdowns		Simulator Theory Instruction at the Flight Training Provider

### Week 3 - 23 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
GPS/DME Arrivals ILS Approaches GPS/DME Arcs		Simulator Theory Instruction at the Flight Training Provider

### Week 4 - 30 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
GNSS Tracking GNSS Approaches		Simulator Theory Instruction at the Flight Training Provider

### Vacation Week - 07 Dec 2020

Module/Topic	Chapter	Events and Submissions/Topic
IFR Navigation Exercises 2		Flight Instruction at the Flight Training Provider

### Week 5 - 14 Dec 2020

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

IFR Navigation Exercises 1

Flight Instruction at the Flight Training Provider

#### **Week 6 - 21 Dec 2020**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 3

Flight Instruction at the Flight Training Provider

#### **Vacation Week - 28 Dec 2020**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 2

Flight Instruction at the Flight Training Provider

#### **Week 7 - 04 Jan 2021**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 4

Flight Instruction at the Flight Training Provider

#### **Week 8 - 11 Jan 2021**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 5

Flight Instruction at the Flight Training Provider

#### **Week 9 - 18 Jan 2021**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 6

Flight Instruction at the Flight Training Provider

#### **Week 10 - 25 Jan 2021**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 7

Flight Instruction at the Flight Training Provider

#### **Week 11 - 01 Feb 2021**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 8

Flight Instruction at the Flight Training Provider

#### **Week 12 - 08 Feb 2021**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

IFR Navigation Exercises 9  
Residential School at Cairns Campus

Flight Instruction at the Flight Training Provider  
Group workshops to critically analyse one of your flight lessons.  
Presentation of your paper.

#### **Exam Week - 15 Feb 2021**

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Multi Engine Command Instrument Rating Test

Flight Instruction at the Flight Training Provider  
Submission of your paper on the critically analyse of one of your flight lessons.

## **Assessment Tasks**

### **1 Multi Engine Command Instrument Rating Flight Test**

**Assessment Type**

Practical Assessment

**Task Description**

You will perform a flight test on a multi engine aeroplane in simulated Instrument Meteorological Conditions.

**Assessment Due Date**

To be completed in the Exam Week

**Return Date to Students**

Result will be advised after the Flight Test

**Weighting**

Pass/Fail

**Assessment Criteria**

The Assessment criteria is outlined in the Civil Aviation Safety Authority Test Form

**Referencing Style**

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

**Submission**

No submission method provided.

**Learning Outcomes Assessed**

- Develop an Instrument Flight Rules flight plan for a multi-destination commercial navigation exercise
- Conduct instrument tracking and instrument approaches on a simulator and a light aircraft
- Identify meteorological conditions requiring instrument navigation
- Communicate clearly and coherently with aviation staff.

**Graduate Attributes**

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Self-management
- Ethical and Professional Responsibility

## 2 Critical analysis of a flight lesson. Presentation and Paper

**Assessment Type**

Presentation

**Task Description**

You will deliver a presentation on the educational aspects of a particular flight training exercise. In the presentation you will describe and explain the educational processes and procedures you experienced during the flight training exercise. You should explain how, why and what you learned during the flight exercise. Also describe how this improved your learning.

This assessment also involves a paper on the critical analysis and reflection of one of your flight lessons in the unit. The paper and PowerPoint presentation will need to be uploaded through turn it in on the Moodle site.

**Assessment Due Date**

Submitted through Turn It In

**Return Date to Students**

Assessment will be returned at the end of the presentation

**Weighting**

Pass/Fail

**Minimum mark or grade**

50%

**Assessment Criteria**

The assessment criteria will be in the form of a marking rubric for the presentation and a template and assessment criteria for the paper. These will be available on the Moodle site.

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

Submitted through Turn It In

**Learning Outcomes Assessed**

- Analyse and reflect critically on your Instrument Flight Rules training
- Communicate clearly and coherently with aviation staff.

**Graduate Attributes**

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research
- Self-management
- Ethical and Professional Responsibility



## 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