



# **AVAT20005 *Advanced Aeronautical Practice 1***

## **Term 2 - 2020**

Profile information current as at 16/05/2024 10:32 pm

All details in this unit profile for AVAT20005 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 1 will further develop your navigation and general handling skills necessary for commercial operations. Your flight training will be conducted by an approved external flight training provider. As you advance through the unit you will conduct long distance flights visiting multiple aerodromes in regional and outback Australia. This will help to develop your self-management and self-discipline skills as well as giving you the opportunity to synthesise your practice with the theory you learnt in earlier units. Prior to each departure, you will prepare a sophisticated flight plan for an extended remote area multi-destination commercial flight exercise. Your critical reflection and self analysis skills will be honed, assisting you to operate effectively in commercial aviation in remote areas. Throughout this unit you will keep a reflective journal which will enable you to present a critical analysis of your experience at the end of the unit. On completion of this unit you will have accumulated 50 hours in command cross country flight time. This is a requirement to apply for a Command Instrument Rating. You will practice your communication, analytic and presentation skills as you review your flight training. 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: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Prerequisite: AVAT20004 Aeronautical Practice 4

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

- 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 6-credit Postgraduate 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. **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 US observation

##### **Feedback**

Assignment and Presentation instructions

##### **Recommendation**

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

## Unit Learning Outcomes

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

1. Develop a sophisticated flight plan for an extended remote area multi-destination commercial navigation exercise
2. Pilot an aeroplane solo on extended remote area multi-destination commercial navigation exercises
3. Analyse and reflect critically on your long distance multi-destination remote area navigation training
4. Synthesise aviation theory and flight practice relevant to multi-destination commercial navigation
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
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### 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 - 13 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Review of navigation and flight planning		Introductory Lecture and group discussion

### Week 2 - 20 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Review of navigation and flight planning		

### Week 3 - 27 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Decide on your Flight Provider		Advise our administration of your Flight Provider

### Week 4 - 03 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

### Week 5 - 10 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

### Vacation Week - 17 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

**Week 6 - 24 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

**Week 7 - 31 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

**Week 8 - 07 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

**Week 9 - 14 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

**Week 10 - 21 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

**Week 11 - 28 Sep 2020**

Module/Topic	Chapter	Events and Submissions/Topic
CPL Navigation Exercise. Long Distance Remote Area Trip		At Flight Provider

**Week 12 - 05 Oct 2020**

Module/Topic	Chapter	Events and Submissions/Topic
Residential School at Cairns Campus		<p>Group workshops to critically analyse one of your flight lessons. Presentation of your paper.</p> <p><b>Critical analysis of a flight lesson. Presentation and Paper</b> Due: Week 12 Monday (5 Oct 2020) 11:45 pm AEST</p>

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

Module/Topic	Chapter	Events and Submissions/Topic
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**Exam Week - 19 Oct 2020**

Module/Topic	Chapter	Events and Submissions/Topic
Practical Flight Examination Final paper		<p>Flight practical assessments Submission of your paper on the critically analyse of one of your flight lessons.</p>

## Assessment Tasks

### 1 Practical Flight Examination

**Assessment Type**

Practical Assessment

**Task Description**

No Assessment Task Description

**Assessment Due Date****Return Date to Students****Weighting**

Pass/Fail

**Minimum mark or grade**

50%

**Assessment Criteria**

No Assessment Criteria

**Referencing Style**

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

**Submission**

No submission method provided.

**Learning Outcomes Assessed**

- Develop a sophisticated flight plan for an extended remote area multi-destination commercial navigation exercise
- Pilot an aeroplane solo on extended remote area multi-destination commercial navigation exercises
- Communicate clearly and coherently with aviation staff.

**Graduate Attributes**

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

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

**Assessment Type**

Presentation

**Task Description**

This assessment 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**

Week 12 Monday (5 Oct 2020) 11:45 pm AEST

**Return Date to Students****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**

Presentation and Paper need to be submitted through Turn It In

**Learning Outcomes Assessed**

- Analyse and reflect critically on your long distance multi-destination remote area navigation training
- Synthesise aviation theory and flight practice relevant to multi-destination commercial navigation
- Communicate clearly and coherently with aviation staff.



## Graduate Attributes

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

## 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