



# AVAT13013 Multi Crew Cooperation

## Term 2 - 2021

Profile information current as at 29/04/2024 09:35 am

All details in this unit profile for AVAT13013 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 Multi Crew Cooperation you will learn how to operate as part of a small team and how to lead a flight crew as pilot-in-command or co-pilot on a modern day flight deck. You will develop the skills and behaviours required to plan, direct and control all aspects of a multi crew flight. Good and poor multi crew cooperation will be evaluated and contrasted. You will also evaluate flight deck environmental elements and events.

#### Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

#### Pre-requisites or Co-requisites

Prerequisites: AVAT13011 Aviation Human Factors (Air Transport Pilot Licence) and AVAT11006 Aviation Law

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 - 2021

- Cairns
- Mixed Mode

#### 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 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. **Practical Assessment**

Weighting: 50%

#### 2. **Presentation**

Weighting: 50%

### 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 Unit Coordinator

##### Feedback

This was the first full Multi Crew Cooperation (MCC) unit run at CQU under the Aviation Australia Part 142 approval. The briefing sessions and the flight training sessions in the simulator were delivered flawlessly.

##### Recommendation

This delivery will continue.

#### Feedback from Unit Coordinator

##### Feedback

The anticipated number of students is around 40 in Term 2 -2021. Additional MCC qualified staff would be required.

##### Recommendation

Recruitment of a minimum of two MCC qualified staff is recommended for a smooth delivery of this unit.

## Unit Learning Outcomes

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

1. Plan, direct and control all aspects of a multi crew flight as pilot in command, or co-pilot
2. Lead and command in a multi crew situation
3. Evaluate environmental elements and events
4. Evaluate critically crew resource management issues
5. Contrast good and poor multi crew cooperation scenarios.

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	5
1 - Practical Assessment - 50%	•	•	•		
2 - Presentation - 50%	•		•	•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Communication	•	•	•	•	•

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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 - Practical Assessment - 50%	•	•	•	•	•	•		•		
2 - Presentation - 50%	•	•	•	•	•	•	•	•		

## 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: [Harvard \(author-date\)](#)  
For further information, see the Assessment Tasks.

## Teaching Contacts

**Harold Bankien** Unit Coordinator

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**Aruna Ranganathan** Unit Coordinator

[a.ranganathan@cqu.edu.au](mailto:a.ranganathan@cqu.edu.au)

## Schedule

### Week 1 - 12 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
Review Human Factors (1)		Lecture and Tutorial

### Week 2 - 19 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
Review Human Factors (2)		Lecture and Tutorial

### Week 3 - 26 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
Review Threat & Error Management (TEM) Situational Awareness		Lecture and Tutorial

### Week 4 - 02 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Communication, Briefing Technique		Lecture and Tutorial

### Week 5 - 09 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Decision Making, Problem Solving, Crew Management		Lecture and Tutorial

### Vacation Week - 16 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Vacation Week		

### Week 6 - 23 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Aircraft Introduction and Aircraft Operation		Briefing, Simulator

### Week 7 - 30 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
SIM sessions - First set of four students - LOFT sessions		Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus
		<b>Written Assignment</b> Due: Week 7 Monday (30 Aug 2021) 11:45 pm AEST

### Week 8 - 06 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
SIM sessions - Second set of four students - LOFT sessions		Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus

### Week 9 - 13 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
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SIM sessions - Third set of four students - LOFT sessions

Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus

#### **Week 10 - 20 Sep 2021**

Module/Topic	Chapter	Events and Submissions/Topic
SIM sessions - Fourth set of four students - LOFT sessions		Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus

#### **Week 11 - 27 Sep 2021**

Module/Topic	Chapter	Events and Submissions/Topic
SIM sessions - Fifth set of four students - LOFT sessions		Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus

#### **Week 12 - 04 Oct 2021**

Module/Topic	Chapter	Events and Submissions/Topic
SIM sessions - Sixth set of four students - LOFT sessions		Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus

#### **Review/Exam Week - 11 Oct 2021**

Module/Topic	Chapter	Events and Submissions/Topic
SIM sessions - Seventh set of four students - LOFT sessions		Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus

#### **Exam Week - 18 Oct 2021**

Module/Topic	Chapter	Events and Submissions/Topic
SIM sessions - Eighth set of four students - LOFT sessions		Briefing, Flight sessions and Assessment in CQU Simulator, Aviation Centre, Cairns Campus

## **Assessment Tasks**

### **1 Written Assignment**

#### **Assessment Type**

Practical Assessment

#### **Task Description**

See Moodle for Specific Exercise.

This assignment is designed to assist retention of material provided during the first six weeks of Multi-crew Cooperation in commercial aircraft..

Additionally, students will be required to research and report issues relating to the crew responsibilities in contemporary commercial aircraft operations. Specifically, elements of crew resource management, inter-crew communications, situational awareness and control and commands should be critically analysed to ensure safe and efficient operation of commercial aircraft.

Your assessment document must be produced in electronic form (either as (a) a single page word-processed document, (b) single page Publisher document saved in a PDF format, or (c) as a single Power-point slide saved in a PDF format) and should be submitted through the assessment link in Moodle, by uploading your file following the on-screen instructions. Note: that all submissions are processed through the similarity detection software (called Turnitin), hence the requirement to submit

the Publisher or Power-point documents as PDF files. You must ensure that all of the work is your own, in line with the University Policy requirements.

**Assessment Due Date**

Week 7 Monday (30 Aug 2021) 11:45 pm AEST

**Return Date to Students**

Week 10 Monday (20 Sept 2021)

**Weighting**

50%

**Minimum mark or grade**

50%

**Assessment Criteria**

Assessment Criteria

High distinction standard

- \* the answer is very well written and clearly expressed
- \* there is a demonstrated appreciation and understanding of the issues involved
- \* the answer is well structured and logically organised
- \* demonstrated mastery of referencing system
- \* there is evidence of a comprehensive analysis of the issues
- \* conclusions are backed by well-reasoned arguments demonstrating a detailed insight and analysis of issues
- \* comprehensive coverage of all relevant issues

Distinction standard

- \* the answer is well written and expressed
- \* the answer is structured and logical
- \* the issues have been reasonably well identified and appreciated
- \* there is correct use of referencing
- \* issues have been analysed
- \*\* there is a comprehensive coverage of the issues

Credit standard

- \* the answer is generally well written and expressed
- \* the answer is structured and sequential
- \* referencing is satisfactory
- \* issues are identified and addressed
- \* there has been an attempt to analyse some of the issues
- \* the coverage of issues is reasonably comprehensive often with a good treatment and analysis of particular points
- \* depth of treatment is often lacking in some of the issues.

Pass standard

- \* the answer is able to be followed and understood
- \* the answer could perhaps be better organised and structured
- \* the referencing may need improvement
- \* issues may need to be identified and addressed in more depth
- \* analysis when present may be incorrect
- \* sometimes the conclusions reached are simple
- \* there may be quantities of material of marginal relevance included in the answer.

Fail standard

- \* the answer may be significantly short of the required length
- \* the written expression is poor and difficult to understand
- \* the answer is poorly organised
- \* there has been a failure to identify and address the issues in the question
- \* referencing is generally inadequate
- \* the reasoning and application demonstrated is poor

\* frequently there is much irrelevant material.

### Referencing Style

- [Harvard \(author-date\)](#)

### Submission

Online

### Submission Instructions

Your assessment document must be produced in electronic form (either as (a) a single page word processed document, (b) a single page Publisher document saved in a PDF format, or (c) a single Power Point slide saved in a PDF format) and should be submitted through the assessment link in Moodle, by uploading your file following the on-screen instructions. Note: all submissions are processed through the similarity detection software (called Turnitin) hence, the requirement to submit the Publisher or Power Point documents as PDF files.

### Learning Outcomes Assessed

- Plan, direct and control all aspects of a multi crew flight as pilot in command, or co-pilot
- Lead and command in a multi crew situation
- Evaluate environmental elements and events

### Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Ethical practice

## 2 LOFT exercise.

### Assessment Type

Presentation

### Task Description

You will be required to demonstrate in the simulator the attributes acquired during the previous LOFT exercises in relation to multi-crew co-operation.

### Assessment Due Date

### Return Date to Students

### Weighting

50%

### Minimum mark or grade

50%

### Assessment Criteria

Student presentation will be assessed on evidence of research and quality of the subject material. Additionally, consideration will be given to the manner and use of language skills utilized by the presenter..

### Referencing Style

- [Harvard \(author-date\)](#)

### Submission

Online

### Learning Outcomes Assessed

- Plan, direct and control all aspects of a multi crew flight as pilot in command, or co-pilot
- Evaluate environmental elements and events
- Evaluate critically crew resource management issues
- Contrast good and poor multi crew cooperation scenarios.

### Graduate Attributes



- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

## 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