



AVAT12020 Airline Resource Management

Term 3 - 2023

Profile information current as at 17/05/2024 06:36 pm

All details in this unit profile for AVAT12020 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 this unit, you will learn about planning processes used by airline management professionals such as fleet planning, schedule planning, and strategic planning (including business plans and annual budgets). You will also learn about functions that play a major role in airline management such as resource allocation and utilisation. Three major topics that are covered in detail in this unit are engineering and maintenance, airline operations and scheduling, and crew resource provision.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisites: AVAT11013 Introduction to Aviation or AVAT11002 Basic Aeronautical Knowledge and AVAT11008 Introduction to Aviation Management and AVAT12018 Air Freight Transportation.

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 - 2023

- 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 Test**

Weighting: 30%

2. **Case Study**

Weighting: 30%

3. **Group Work**

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. Describe the functions of flight operations, crewing and scheduling departments and the legal requirements
2. Undertake a basic route analysis and be able to identify ideas for new routes
3. Justify how maintenance requirements are determined and how the legal requirements are met
4. Describe the principles of fleet planning and analyse the performance and economics of different aircraft types
5. Communicate effectively in the context of air transport management and demonstrate teamwork skills.

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 - Online Test - 30%	•	•	•		
2 - Case Study - 30%	•	•		•	•
3 - Group Work - 40%			•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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

N/A

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

Wen-Chun Tseng Unit Coordinator
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Schedule

Week 1 - 06 Nov 2023

Module/Topic	Chapter	Events and Submissions/Topic
Fleet selection I		

Week 2 - 13 Nov 2023

Module/Topic	Chapter	Events and Submissions/Topic
Fleet selection II		

Week 3 - 20 Nov 2023

Module/Topic	Chapter	Events and Submissions/Topic
Scheduling I		

Week 4 - 27 Nov 2023

Module/Topic	Chapter	Events and Submissions/Topic
Scheduling II		

Vacation Week - 04 Dec 2023

Module/Topic	Chapter	Events and Submissions/Topic
No lectures		

Week 5 - 11 Dec 2023

Module/Topic	Chapter	Events and Submissions/Topic
Crew Scheduling I		

Week 6 - 18 Dec 2023

Module/Topic	Chapter	Events and Submissions/Topic
Crew Scheduling I I		
Vacation Week - 25 Dec 2023		
Module/Topic	Chapter	Events and Submissions/Topic
no lecture		
Week 7 - 01 Jan 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Aircraft maintenance I		
Week 8 - 08 Jan 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Aircraft maintenance II		
Week 9 - 15 Jan 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Flight Operations		
Week 10 - 22 Jan 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Industrial Relations		
Week 11 - 29 Jan 2024		
Module/Topic	Chapter	Events and Submissions/Topic
International considerations and regulations		
Week 12 - 05 Feb 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Group Presentation		
Exam Week - 12 Feb 2024		
Module/Topic	Chapter	Events and Submissions/Topic

Assessment Tasks

1 Online Test

Assessment Type

Online Test

Task Description

There will be an online test throughout the term contributing 30% to the final assessment, where students will get random questions of the same exam pattern, concentrating on evaluating the student's understanding of the topic. Students are expected to conduct an actual comprehension of the content being learned by themselves and thus a better representation of their academic progress. The online test is an open-book (Restricted) test.

Assessment Due Date

TBA

Return Date to Students

TBA

Weighting

30%

Assessment Criteria

This is a simple correct or incorrect answer.

Referencing Style

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

Submission

Online

Submission Instructions

Submit through Moodle

Learning Outcomes Assessed

- Describe the functions of flight operations, crewing and scheduling departments and the legal requirements
- Undertake a basic route analysis and be able to identify ideas for new routes
- Justify how maintenance requirements are determined and how the legal requirements are met

2 Case Study

Assessment Type

Case Study

Task Description

Review of Airline Network Planning: Select a current airline and discuss and analyze its network planning.

Assessment Due Date

TBA

Return Date to Students

TBA

Weighting

30%

Assessment Criteria

Word Count: 3000 words (+/- 10%)

Course Value: 30%

Task :Review of Airline Network Planning: Select a current airline and discuss and analyze its network planning.

PLEASE NOTE: Each student must select a different airline; a chosen airline must approved with the course lecturer before being used as the basis for the report.

Basic Structure: This academic report must contain a Title Page, Table of Contents, Executive Summary, Introduction, Main Body, Conclusion. The report should be thoroughly referenced using in-text references (APA referencing is required).

Criteria: Successfully discussion and analysis essentially refer to the information and content that you include in your report; in many ways this is the story or narrative that you develop from start to finish. Analysis basically asks and answers the question “why”? Why is this information important in addressing the topic? Analysis helps to strengthen arguments by building a strong case – often it is achieved by acknowledging key differing arguments, but then developing a strong argument or angle for an assignment in the process – like a spine with attached and acknowledged counter arguments along the way. Comparing and contrasting are typically used to conduct analysis, with words like however, in contrast, similarly, likewise, but (and so forth) used throughout to link and generate ideas, concepts, viewpoints and arguments.

Referencing Style

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

Submission

Online

Submission Instructions

Submit through Moodle

Learning Outcomes Assessed

- Describe the functions of flight operations, crewing and scheduling departments and the legal requirements
- Undertake a basic route analysis and be able to identify ideas for new routes
- Describe the principles of fleet planning and analyse the performance and economics of different aircraft types
- Communicate effectively in the context of air transport management and demonstrate teamwork skills.

3 Group Work

Assessment Type

Group Work

Task Description

Airline Flight Scheduling: Provide the best schedule of given flights.

Assessment Due Date

TBA

Return Date to Students

TBA

Weighting

40%

Assessment Criteria

Oral Presentation (20 minutes)

Course Value: 40%

Task: Provide the best schedule of given flights.

Referencing Style

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

Submission

Group

Submission Instructions

TBA

Learning Outcomes Assessed

- Justify how maintenance requirements are determined and how the legal requirements are met
- Describe the principles of fleet planning and analyse the performance and economics of different aircraft types
- Communicate effectively in the context of air transport management and demonstrate teamwork skills.

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