

AVAT12022 Airport Management

Term 1 - 2026

Profile information current as at 08/06/2026 03:23 pm

All details in this unit profile for AVAT12022 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 Airport Management, you will gain insights into the major issues and planning considerations relevant to airport management. Key planning considerations for contemporary airports, including runway and taxiway design, airfield and airspace design and capacity, as well as operational aspects including risk management, adverse weather, ground handling operations, airfield technology (including navigation aids), and airport community relations, will be addressed. This unit also provides a framework for understanding how airports function, the many demands placed upon airport professionals by a wide range of stakeholders, and what is needed for airports to be successful at both an operational and business level.

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

Prerequisites - Introduction to Aviation AND AVAT11008

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 - 2026

- 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 resource/s

Weighting: 30%

2. Critical Review

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](#).

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 UC Reflections

Feedback

Seeking mid-term student feedback

Recommendation

The mid-term in-class student survey should continue to facilitate timely improvements to the student learning experience.

Unit Learning Outcomes

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

1. Critique the challenging economic, social and environmental issues relevant to airport management plans and the need to deliver best-in-class facilities and services
2. Explain the process of airport capacity planning within the context of changing airline industry structure, national airport policy goals and planning constraints
3. Critically evaluate the key drivers that shape an airport's commercial and non-aeronautical business performance
4. Identify the key components involved in approving airport development projects by appraising the arguments for and against expansion
5. Analyse Airport Master Plans and capital expenditure (CAPAX) programs.

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 - Online resource/s - 30%	●	●		●	
2 - Critical Review - 30%	●		●		●
3 - Group Work - 40%		●	●	●	●

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 - First Nations Knowledges					
11 - Aboriginal and Torres Strait Islander Cultures					

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

Carl Gu Unit Coordinator
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Schedule

Week 1 - 09 Mar 2026		
Module/Topic	Chapter	Events and Submissions/Topic
The Airport System		
Week 2 - 16 Mar 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Airport Master Planning		
Week 3 - 23 Mar 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Forecasting Demand & Modelling Capacity		Assessment 1 - Quiz open Monday (24 March) 08:00 due/close Friday (28 March) 23:59
Week 4 - 30 Mar 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Airside Design		ONLINE QUIZ Due: Week 4 Monday (30 Mar 2026) 11:00 pm AEST
Week 5 - 06 Apr 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Airside Operations		
Week 6 - 13 Apr 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Terminal Design		
Vacation Week - 20 Apr 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Week 7 - 27 Apr 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Terminal & Security Operations		
Week 8 - 04 May 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Accessibility		
Week 9 - 11 May 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Landside Design & Operations		Assessment 2 - Critical Review due Friday (16 May) 23:59 CRITICAL REVIEW Due: Week 9 Friday (15 May 2026) 11:00 pm AEST
Week 10 - 18 May 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Aeronautical Revenue		
Week 11 - 25 May 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Commercial Management		
Week 12 - 01 Jun 2026		
Module/Topic	Chapter	Events and Submissions/Topic
Community Relations		Assessment 3 - Group Work due Friday (6 June) 23:59
Exam Week - 08 Jun 2026		
Module/Topic	Chapter	Events and Submissions/Topic

Assessment Tasks

1 ONLINE QUIZ

Assessment Type

Online resource/s

Task Description

An open-book online quiz designed to assess your skills in locating, reviewing, and applying information and data from relevant online sources. The quiz consists of 10 multiple-choice questions. You have 60 minutes to complete the quiz, and you will be required to access online resources such as regulations, standards, policies, airport master plans, aeronautical data, and operational statistics.

The quiz will open on 24th March (Tuesday of Week 3) at 08:00 and must be submitted by the following Monday, 30th March, at 23:59 via the relevant Moodle portal.

You must not use AI at any point during the assessment. You must demonstrate your core skills and knowledge.

This assessment is exempt from the 72-hour submission grace period and must be completed by the stated submission date/time.

Assessment Due Date

Week 4 Monday (30 Mar 2026) 11:00 pm AEST

Return Date to Students

returned immediately online once the quiz has been sat

Weighting

30%

Assessment Criteria

The quiz comprises 10 multiple-choice questions designed to assess the students' skills in locating, reviewing, and applying information and data from relevant online sources. The quiz accounts for 30% of the total grade.

Referencing Style

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

Submission

Online

Submission Instructions

See Moodle page

Learning Outcomes Assessed

- Critique the challenging economic, social and environmental issues relevant to airport management plans and the need to deliver best-in-class facilities and services
- Explain the process of airport capacity planning within the context of changing airline industry structure, national airport policy goals and planning constraints
- Identify the key components involved in approving airport development projects by appraising the arguments for and against expansion

2 CRITICAL REVIEW

Assessment Type

Critical Review

Task Description

You are to select, download and review an Airport Master Plan and critically review it in relation to one of the following topic areas:

- Objectives (clarity, regulatory alignment, community engagement)
- Demand Forecasting (comprehensiveness, assumptions, justifications)
- Airside Infrastructure Requirements (capacity, compliance, operational impacts)
- Terminal Infrastructure Requirements (capacity, experience, accessibility, operational impacts)

Your critical review must take the form of a 1000-word essay addressing all the following:

- Description of the airport and its Master Plan, including the regulatory framework, if any, governing its development and publication
- Review of concepts and best practices behind the chosen topic area
- Analysis of the selected Master Plan against these concepts and practices
- Identification of positive attributes within the Master Plan and recommendations to address identified deficiencies

You must not use AI at any point during the assessment. You must demonstrate your core skills and knowledge.

This assessment is exempt from the 72-hour submission grace period and must be completed by the stated submission date/time.

Assessment Due Date

Week 9 Friday (15 May 2026) 11:00 pm AEST

Return Date to Students

Weighting

30%

Assessment Criteria

The essay will be marked out of 30 points as follows:

1. Content (15 points)

o Description

o Review

o Analysis

o Positives & recommendations

2. Research (10 points)

o Mixture of sources (regulatory, academic, industry, public)

o Acknowledgement of sources

o Correct referencing style

3. Writing (5 points)

o Logical structure/organisation of ideas

o Clear, concise and understandable written English

o Appropriate presentation style (report format, headings, cross-references)

o Within word limits

Referencing Style

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

Submission

Online

Submission Instructions

See Moodle page

Learning Outcomes Assessed

- Critique the challenging economic, social and environmental issues relevant to airport management plans and the need to deliver best-in-class facilities and services
- Critically evaluate the key drivers that shape an airport's commercial and non-aeronautical business performance
- Analyse Airport Master Plans and capital expenditure (CAPAX) programs.

3 GROUP SIMULATION & INDIVIDUAL REFLECTION

Assessment Type

Group Work

Task Description

In teams, you will develop and operate an airport in simulation using the AIRPORT Online platform. The simulation will commence during the Week 3 tutorial, with team members working together to establish and achieve their airport's objectives over the following weeks.

During the simulation, the team will act as the airport's governing body and maintain a log of meetings and decisions. In line with these decisions, the team will manage their simulated airport. **Team members are required to meet weekly and submit a meeting log each week.**

At the end of the simulation period, the team will review their airport's performance and critically review relevant metrics against the established objectives. This review will be submitted as a 1000-word report along with a copy of the airport log.

Each team member will also submit a 200-word personal reflection on their team's and the airport's performance, noting any significant lessons learned.

You must not use AI at any point during the assessment. You must demonstrate your core skills and knowledge.

This assessment is exempt from the 72-hour submission grace period and must be completed by the stated submission

date/time.

Assessment Due Date

Exam Week Monday (8 June 2026) 11:00 pm AEST

Return Date to Students

Weighting

40%

Assessment Criteria

This assessment will be marked out of 40 points as follows:

1. Report (15 points)

o Objectives

o Airport performance

o Critical review

o Within word limits

2. Log (15 points)

o Meeting regularity

o Analysis of parameters

o Discussion & decisions

o Implementation

3. Personal Reflection (10 points)

o Critical review of team performance

o Critical review of airport performance

o Lessons learned

o Within word limits

Referencing Style

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

Submission

Online Group

Submission Instructions

See Moodle page

Learning Outcomes Assessed

- Explain the process of airport capacity planning within the context of changing airline industry structure, national airport policy goals and planning constraints
- Critically evaluate the key drivers that shape an airport's commercial and non-aeronautical business performance
- Identify the key components involved in approving airport development projects by appraising the arguments for and against expansion
- Analyse Airport Master Plans and capital expenditure (CAPAX) programs.

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