AVAT12022 *Airport Management*
Term 1 - 2023

Profile information current as at 28/04/2024 06:25 am

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 - 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 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.

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		•			•
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
AVAT12022

Supplementary

Airport operations
Third edition. (2013)
Authors: Ashford, Norman, author.; Stanton, H. P. Martin, author.; Moore, Clifton A., author

New York : McGraw-Hill
New York , USA
ISBN: 1-283-65618-3
Binding: eBook
AVAT12022

Supplementary

Airport Planning & Management, Seventh Edition
7th edition.; 2019 (2019)
Authors: Young, Seth B; Wells, Alexander T
McGraw-Hill Education
New York , USA
ISBN: 9781260143324
Binding: eBook
AVAT12022

Supplementary

Strategic Airport Planning
Edition: 1ST (2022)
Authors: Brown, Mike
Routledge
ISBN: 1-03-200237-9
Binding: eBook

Additional Textbook Information
The above mentioned books are ebooks and can be accessed by:

Airport operations
Ashford, Norman, author.; Stanton, H. P. Martin, author.; Moore, Clifton A., author.
Third edition.; 2013
https://cqu.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991001894833103441&context=L&vid=61CQU_INST:61CQU&lang=en&search_scope=MyInst_and_CI&adaptor=Local%20Search%20Engine

Airport Planning & Management, Seventh Edition
Young, Seth B; Wells, Alexander T
7th edition.; 2019
https://www-accessengineeringlibrary-com.ezproxy.cqu.edu.au/content/book/9781260143324?implicit-login=true

Strategic Airport Planning
Brown, Mike
2022
https://ebookcentral.proquest.com/lib/cqu/reader.action?docID=6949449&ppg=1

View textbooks at the CQUniversity Bookshop

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

Mike Malouf Unit Coordinator
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Daniel Parsons Unit Coordinator
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Schedule

Week 1 - 06 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
The Airport System	*Chapter: Moodle & Selected Readings* Online Resources: Regulatory Things	

Week 2 - 13 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Airport Master Planning	*Chapter: Moodle & Selected Readings* Online Resources: Master Plans	

Week 3 - 20 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Measuring & Forecasting Demand	*Chapter: Moodle & Selected Readings* Online Resources: Airport Data	

Week 4 - 27 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Airside Design	*Chapter: Moodle & Selected Readings* Case Studies: Design Choices	Online Quiz: Online Resources *open Monday (27 March) 08:00* *due/close Friday (1 April) 23:45* **Online quiz** Due: Week 4 Friday (31 Mar 2023) 9:00 pm AEST

Week 5 - 03 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Airside Operations	*Chapter: Moodle & Selected Readings* Airport Online Simulation Familiarisation & Group Allocations	Group Work: Airport Online Simulation *open Monday (3 April) 08:00*

Vacation Week - 10 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 17 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic

| | Terminal Design | *Chapter: Moodle & Selected Readings*
 Case Studies: PaxEx | |

Week 7 - 24 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Terminal & Security Operations	*Chapter: Moodle & Selected Readings* Case Studies: Breaches	

Week 8 - 01 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Accessibility	*Chapter: Moodle & Selected Readings* Case Studies: Inaccessible Airports	

Week 9 - 08 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Landside Design & Operations	*Chapter: Moodle & Selected Readings* Case Studies: Managing Third Party Providers	Critical Review: Airport Master Plan due Monday (8 May) 17:00 **Critical Review** Due: Week 9 Monday (8 May 2023) 11:45 pm AEST

Week 10 - 15 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Aeronautical Business	*Chapter: Moodle & Selected Readings* Case Studies: Route Development	

Week 11 - 22 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Commercial Management	*Chapter: Moodle & Selected Readings* Case Studies: Real Estate	

Week 12 - 29 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Community Relations	*Chapter: Moodle & Selected Readings* Case Studies: Bad Neighbours	Group Work: Airport Online Simulation *Simulation ceases (29 May) 17:00*

Review/Exam Week - 05 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
		Group Simulation & Individual Reflection Due: Review/Exam Week Monday (5 June 2023) 9:00 am AEST

Exam Week - 12 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
		Group Work: Airport Online Simulation *due Monday (12 June) 17:00*

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 questions with multiple-choice answers. 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 the Monday following our third Tutorial (27 March) and must be submitted by the following Friday (1 April) via the relevant portal in Moodle.

Assessment Due Date
Week 4 Friday (31 Mar 2023) 9:00 pm AEST
Quiz is sat in Moodle

Return Date to Students
Week 4 Friday (31 Mar 2023)
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 has a weighting of 30% of total grade.

Referencing Style

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

Submission
Online

Submission Instructions
The quiz is sat online in Moodle

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 locate, download and review an Airport Master Plan and critically review it in relation to one or more 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 3000-word essay addressing 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(s)
· 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

Assessment Due Date
Week 9 Monday (8 May 2023) 11:45 pm AEST
online

Return Date to Students
Week 11 Monday (22 May 2023)
Online

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
submit into Moodle

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 of three or five, 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 seven 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.
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 500-word personal reflection on their team's and airport's performances, making note of any significant lessons learned.

Assessment Due Date
Review/Exam Week Monday (5 June 2023) 9:00 am AEST
upload into Moodle

Return Date to Students
Exam Week Friday (16 June 2023)

online

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
upload into Moodle

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