



## Introduction to Aviation

AERO 1022 Study Period 2 - 2016

Internal - Mawson Lakes Campus

## Introduction

### Welcome

Welcome to the University of South Australia and to Introduction to Aviation!

This course will provide you with a complete overview of the aviation system. Specifically, it will present the history and development of global aviation and the characteristics of how the industry has evolved over time. In addition, the course intends to help students explore various career options in the aviation industry and develop important communication skills that will serve you throughout the university experience and beyond.

### Course Teaching Staff

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\* Please refer to your Course homepage for the most up to date list of course teaching staff.

## School Contact Details

### School of Engineering

Physical Address: Level 1, Room 14, Building J  
Mawson Lakes Boulevard  
Mawson Lakes 5095

# Course Overview

## Prerequisite(s)

There are no prerequisite courses to be completed before this course can be undertaken.

## Corequisite(s)

There are no corequisite courses to be completed in conjunction with this course.

## Course Objectives

On completion of this course, students should be able to:

CO1. Describe the aviation industry and the many aspects that it contains.

CO2. Explain the operational aspects that varies between commercial airlines, corporate aviation, the military and emergency medical aviation.

CO3. Describe the principles that all aviation components must do in order to operate cooperatively within airspace management. Communicate clearly in management settings

CO4. Communicate clearly in management settings

Upon completion of this course, students will have achieved the following combination of Graduate Qualities and Course Objectives:

Graduate Qualities being assessed through the course							
	GQ1	GQ2	GQ3	GQ4	GQ5	GQ6	GQ7
CO1	•	•	•	•			
CO2	•	•	•	•			
CO3	•	•	•	•	•	•	•
CO4	•	•	•	•			

## Graduate Qualities

A graduate of UniSA:

GQ1. operates effectively with and upon a body of knowledge of sufficient depth to begin professional practice

GQ2. is prepared for life-long learning in pursuit of personal development and excellence in professional practice

GQ3. is an effective problem solver, capable of applying logical, critical, and creative thinking to a range of problems

GQ4. can work both autonomously and collaboratively as a professional

GQ5. is committed to ethical action and social responsibility as a professional and citizen

GQ6. communicates effectively in professional practice and as a member of the community

GQ7. demonstrates international perspectives as a professional and as a citizen

## Course Content

Aviation industry overview; historical perspective; industry regulation; airline operations; airport operations; airspace management; general aviation corporate aviation; military aviation; emergency medical aviation; international aviation.

## Teaching and Learning Arrangements

Lecture	3 hours x 13 weeks
Tutorial	1 hour x 13 weeks

## Unit Value

4.5 units

## Additional assessment requirements

There are no additional assessment requirements identified for this course.

## Further Course Information

This is the first time this course has been taught, and implements a variety of new teach tools and technology. Towards the end of the course, you'll be invited to participate in a course evaluation, and your feedback is a critical part of helping the teaching team know what was most useful and where we can improve the course. In the future, this will be a continuous process, and we will continue to update the course outline in this section based on feedback we have received from previous years.

The survey is 100% anonymous, and no personal information will be collected. Teaching staff will not be able to link responses with the students. The sole purpose of this is to improve the quality of the course, so we strongly encourage you to participate to help make the course better for future students.

# Learning Resources

## Textbook(s)

You will need continual access to the following text(s) to complete this course. The library does not hold multiple copies of the nominated text books. It is strongly recommended that you purchase the book(s).

John Wensveen 2015, *Air Transportation: A Management Perspective*, 8th, Ashgate.

## Materials to be accessed online

### learnonline course site

All other course related materials can be accessed through your learn**online** course site which you will be able to access from the my Courses section in myUniSA.

### myUniSA

All study related materials can be accessed through: <https://my.unisa.edu.au>

# Assessment

## Assessment Details

Details of assessment submission and return are listed under each assessment task. Assessment tasks will be returned to you within two to three weeks of submission.

**If the Course Coordinator allows submissions in hard copy format**, you will be required to attach an Assignment Cover Sheet which is available on the [learnonline student help](#) and in myUniSA.

## Use of recorded material

This course will involve the production of audio and/or video recordings of UniSA students. To protect student privacy, you must not at any time disclose, reproduce or publish these recordings, or related material, in the public domain including online, unless the videoed students give consent for reproduction, disclosure or publication. This requirement is consistent with University statutes, by-laws, policies, rules and guidelines which you agreed to abide by when you signed the Student Enrolment Declaration.

## Assessment Summary

#	Form of assessment	Length	Duration	Weighting	Due date (Adelaide Time)	Submit via	Objectives being assessed
1	Continuous assessment - Quizzes	N/A	1 hour	30%	See <i>assessment activities for details</i>	See <i>assessment activities for details</i>	CO1, CO2
2	Assignment	1500 words	N/A	30%	See <i>assessment activities for details</i>	See <i>assessment activities for details</i>	CO3, CO4
3	Group presentation	N/A	2 hours	40%	See <i>assessment activities for details</i>	See <i>assessment activities for details</i>	CO1, CO2, CO3, CO4

## Feedback proformas

The feedback proforma is available on your **learnonline** course site. It can be accessed via the Feedback Form link in the Course Essentials block.

## Assessments

### Assessment #1 - Continuous assessment - Quizzes (Graded)

#### Assessment Activities

Name	Sub-weighting	Due date (Adelaide Time)	Submit via
Quiz 1	All activities equally weighted	11 Mar 2016, 5:00 PM	learnonline
Quiz 2	All activities equally weighted	18 Mar 2016, 5:00 PM	learnonline
Quiz 3	All activities equally weighted	25 Mar 2016, 5:00 PM	learnonline
Quiz 4	All activities equally weighted	1 Apr 2016, 5:00 PM	learnonline
Quiz 5	All activities equally weighted	8 Apr 2016, 5:00 PM	learnonline
Quiz 6	All activities equally weighted	29 Apr 2016, 5:00 PM	learnonline
Quiz 7	All activities equally weighted	6 May 2016, 5:00 PM	learnonline
Quiz 8	All activities equally weighted	13 May 2016, 5:00 PM	learnonline
Quiz 9	All activities equally weighted	20 May 2016, 5:00 PM	learnonline
Quiz 10	All activities equally weighted	27 May 2016, 5:00 PM	learnonline

Throughout the semester you will have 10 quizzes that will assess the materials presented each week in the lecture and tutorials. These quizzes will be open from the start of each week until 5:00PM on the Friday of each week. You will have up to 30 minutes to complete each quiz, though some quizzes may not require that much time. You are welcome to use any of the course materials during the quizzes, though the quizzes will be very difficult to complete without having come to class.

Please note the assessment duration states the quiz duration to be a maximum of 1 hour, but to reduce student burden, the quizzes will be written only for 30 minutes of material.

## Assessment #2 - Individual Assignment (Graded)

### Assessment Activities

Name	Sub-weighting	Due date (Adelaide Time)	Submit via
Individual Report (Task A)	50%	8 Apr 2016, 5:00 PM	learnonline
Resume Draft (Task B)	16.67%	8 Apr 2016, 5:00 PM	learnonline
Final Resume (Task C)	33.33%	10 Jun 2016, 5:00 PM	learnonline

During the second week of class, you will be divided into working groups for the remainder of the semester. You are strongly encouraged to get to know your group members in depth, as you will be working together throughout the semester.

Each group will be required to complete a group project based on an aviation industry topic that will be introduced in the first half of the semester. Group projects will be divided into five parts (introduction, background, operations, for example), and each group member will have responsibility for one section.

The primary task (Task A) of this individual assessment is to complete the individual part of the group project. This will require students to write a 1500 word essay on their group's topic with their individual component. At the end of the semester, these individual components will be combined for the group presentation as a whole. Further details about Task A will be presented during the semester, including topic choices for each group and a breakdown of individual components.

Task A is due at the end of Week 6, to be submitted through LearnOnline by 5:00PM.

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Task B requires students to complete a draft of their resume as directed through class tutorials. The purpose of this task is to not only build a proper resume, but also allow for teaching staff to provide feedback before the end of the semester, so students have the chance to make changes.

Task B is due at the end of Week 6, to be submitted through LearnOnline by 5:00PM.

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Task C is the final draft of the resume, and must be submitted by the end of Week 13 through LearnOnline by 5:00PM.

**Please note that Task C is due at the end of the study period while Tasks A and B are due in Week 6.**

## Assessment #3 - Group Project (Graded)

### Assessment Activities

Name	Sub-weighting	Due date (Adelaide Time)	Submit via
Group Presentation (Task B)	50%	2 Jun 2016, 9:00 AM	In person
Group Project Report (Task A)	38%	10 Jun 2016, 5:00 PM	learnonline
Group Presentation Paper (Task C)	12%	10 Jun 2016, 5:00 PM	learnonline

As explained in Assessment 2, students will be divided into groups to conduct a group project for Assessment 3. The group project has 3 components:

Task A: Groups will be required to complete a "Group Project Report". This is an original report co-written by group members that discusses how the team collaborated to complete the presentation. Primarily reflective in nature, this report should document the process of developing the group project and how the team communicated. Further details regarding the specific content and grading criteria will be disseminated during the study period. The due date for this report is the Friday of Week 13, submitted through the designated learnonline portal by 5:00PM.

Task B: This is an in-class group presentation. Groups will be randomly assigned a time slot during week 12 or 13 to present on their aviation topic. Presentations should be 10-12 minutes with a few minutes for questions. A strict 15 minute maximum will be applied to ensure all groups have an equal amount of time for their presentations. Specific grading criteria will be provided when the presentation is introduced during the study period.

Task C: Groups will also be responsible for submitting a presentation paper; that is, a written document that describes their topic. This paper will be the compilation of the individual assessments that were submitted in Week 6 (Assessment 2, Task A). Students will have to take care to edit the final document to ensure that it has consistent voice, grammar, and writing style. The presentation paper should be submitted through learnonline by 5:00PM on the Friday of Week 13.

### Supplementary Assessment

Supplementary assessment or examination is available to students under the following conditions only if the school board or delegated committee reasonably expects that the student could achieve a supplementary pass in the course:

1. Students undertaking a full-time load of 13.5 units or more per study period will require a Grade Point Average (GPA) of 2.80 or greater for studies undertaken in the six months immediately preceding and relevant to the academic review period.
2. UniSA may use discretion in applying the GPA requirement to students who have undertaken less than 13.5 units per study period in the six months immediately preceding and relevant to the academic review period. Supplementary assessment will not be awarded to a student who has failed greater than 50% of the course load attempted in the six months immediately preceding and relevant to the academic review period.

3. The student must have received a final grade of F1 (Fail Level 1) in the course.
4. The student may be awarded supplementary assessment or examination in a maximum of two courses in a study period, provided that student has passed at least one course in the six months immediately preceding and relevant to the academic review period.
5. Supplementary assessment or examination will not be awarded for a final grade of Fail Level 2 (F2), unless the student is undertaking the final courses of their program.
6. Specific arrangements for supplementary assessment or examination may be made for a student who is undertaking the final courses of their program, whether or not the courses are approved for supplementary assessment or examination. A student is defined to be undertaking the final courses of their program if they have nine or fewer units remaining to complete the program.

More information about supplementary assessment may be found by consulting the relevant policy: <http://w3.unisa.edu.au/policies/manual/default.asp> (section 7)

Students should contact the course coordinator if they meet the requirements for supplementary assessment.

## Important information about all assessment

All students must adhere to the University of South Australia's policies about assessment: <http://w3.unisa.edu.au/policies/manual/default.asp>.

## Students with disabilities or medical conditions

Students with disabilities or medical conditions or students who are carers may be entitled to a variation or modification to standard assessment arrangements. See Section 7 of the Assessment Policy and Procedures Manual (APPM) at: <http://w3.unisa.edu.au/policies/manual/default.asp>

Information for students with disabilities is available at:  
<http://www.unisa.edu.au/Disability/Current-students/>

## Variations to assessment tasks

Variation to assessment methods, tasks and timelines can be provided in:

**Unexpected or exceptional circumstances**, for example bereavement, unexpected illness (details of unexpected or exceptional circumstances for which variation can be considered are discussed in clauses 7.8 - 7.10 of the Assessment Policy and Procedures Manual). Variation to assessment in unexpected or exceptional circumstances should be discussed with your course coordinator as soon as possible.

**Special circumstances**, for example religious observance grounds, or community services (details of special circumstances for which variation can be considered are discussed in clause 7.11 of the Assessment Policy and Procedures Manual). Variations to assessment in expected circumstances must be requested within the first two weeks of the course (or equivalent for accelerated or intensive teaching).

More information about variation to assessment may be found by consulting the relevant policy: <http://w3.unisa.edu.au/policies/manual/default.asp>(section 7).

## Academic Integrity

UniSA is committed to fostering and preserving the scholarly values of curiosity, experimentation, critical appraisal and integrity. Students are expected to demonstrate the highest standards of academic integrity.

Academic integrity is a term used at university to describe honest behaviour as it relates to all academic work (for example papers written by staff, student assignments, conduct in exams, etc) and is the foundation of university life. One of the main principles is respecting other people's ideas and not claiming them as your own. Anyone found to have used another person's ideas without proper acknowledgement is deemed guilty of Academic Misconduct and the University considers this to be a serious matter.

The University of South Australia wants its students to display academic integrity so that its degrees are earned honestly and are trusted and valued by its students and their employers. To ensure this happens and that students adhere to high standards of academic integrity and honesty at all times, the University has policies and procedures in place to promote academic integrity and manage academic misconduct for all students. Work submitted electronically by students for assessment will be tested using the text comparison software Turnitin <http://www.turnitin.com>.

More information about academic integrity and what constitutes academic misconduct can be found in Section 9 of the Assessment Policies and Procedures Manual (APPM) at: <http://w3.unisa.edu.au/policies/manual/> or on the Academic Integrity Module website at: <https://lo.unisa.edu.au/mod/book/view.php?id=252142>

## Submission and return of assessment tasks

See above under Assessment details.

## Action from previous evaluations

As this is the first time this course has been taught, there are no previous evaluations to rely on. Hence, it will be critical for students to provide feedback at the end of this course. This feedback is entirely anonymous and is strongly encouraged.

## Conceded and Terminating Passes

Conceded and Terminating passes are not available in this course.

## Further Assessment Information

Late Submission Policies:

### Quizzes

Students should take extraordinary care to avoid missing deadlines for learnonline. Because students will have the entire week to complete the quiz, students will not be allowed extensions or make-ups. If a student has a university-sanctioned documented medical absence causing the student to miss a class period, they will be allowed a 72 hour extension of the quiz (until Monday following the quiz due date at 5:00PM). Students should take care to immediately notify the instructor if these conditions exist.

### Other Learnonline Submissions

Submissions will be allowed on learnonline beyond the deadline for a 20% reduction in credit. This is applicable for both individual and group assessments.

# Course Calendar

## Study Period 2 - 2016

	Weeks	Topic	Tutorial	Notes	Assessment Details (Adelaide Time)
	15 - 21 February	Pre-teaching	Pre-teaching		
	22 - 28 February	Pre-teaching	Pre-teaching		
1	29 February - 06 March	Course Introduction; The Airline Industry: Trends, Challenges, and Strategies	Activity Ice Breaker, Cross-cultural communication and reflection	Text: Chapter 1	
2	07 - 13 March	Aviation - An Overview	Teamwork I	Text: Chapter 2	Continuous assessment - Quizzes: Quiz 1 due 11 Mar 2016, 5:00 PM
3	14 - 20 March	Career Planning in Aviation	Career Workshop I	Text: Appendix pp. 549-570	Continuous assessment - Quizzes: Quiz 2 due 18 Mar 2016, 5:00 PM
4	21 - 27 March	Aviation History I	Career Workshop II	Text: Chapter 3 pp. 43-68	Continuous assessment - Quizzes: Quiz 3 due 25 Mar 2016, 5:00 PM
5	28 March - 03 April	Aviation History II	Career Workshop III	Text: Chapter 3 pp. 68-92	Continuous assessment - Quizzes: Quiz 4 due 01 Apr 2016, 5:00 PM
6	04 - 10 April	Aviation Regulators	Reflection, meetings, agendas, and Outlook	Text: Chapter 4 pp. 93-109	Continuous assessment - Quizzes: Quiz 5 due 08 Apr 2016, 5:00 PM  Individual Assignment: Individual Report (Task A) due 08 Apr 2016, 5:00 PM  Individual Assignment: Resume Draft (Task B) due 08 Apr 2016, 5:00 PM
	11 - 17 April	Mid-break	Mid-break		
	18 - 24 April	Mid-break	Mid-break		

7	25 April - 01 May	Aviation Associations	Guest Lecture (TBA)	Text: Chapter 4 pp. 110-124	Continuous assessment - Quizzes: Quiz 6 due 29 Apr 2016, 5:00 PM
8	02 - 08 May	General Aviation Overview	Project Management	Text: Chapter 5 pp. 125-141	Continuous assessment - Quizzes: Quiz 7 due 06 May 2016, 5:00 PM
9	09 - 15 May	General Aviation Support Industries	Presentation Skills	Text: Chapter 5 pp. 142-162	Continuous assessment - Quizzes: Quiz 8 due 13 May 2016, 5:00 PM
10	16 - 22 May	The Airline Industry Part I	Presentation Skills Practice	Text: Chapter 6 pp. 163-174	Continuous assessment - Quizzes: Quiz 9 due 20 May 2016, 5:00 PM
11	23 - 29 May	The Airline Industry Part II, and Economic Characteristics of the Airline Industry	None	Text: Chapter 6 pp. 175-194, Chapter 7	Continuous assessment - Quizzes: Quiz 10 due 27 May 2016, 5:00 PM
12	30 May - 05 June	Presentations	Presentations		Group Project: Group Presentation (Task B) due 02 Jun 2016, 9:00 AM
13	06 - 12 June	Presentations	Presentations		Group Project: Group Project Report (Task A) due 10 Jun 2016, 5:00 PM  Group Project: Group Presentation Paper (Task C) due 10 Jun 2016, 5:00 PM  Individual Assignment: Final Resume (Task C) due 10 Jun 2016, 5:00 PM
	13 - 19 June	Swot-vac	None		
	20 - 26 June	Exam week	Exam Week		
	27 June - 03 July	Exam week	Exam Week		