



UNSW Course Outline

AVIA2702 Aviation Security and Air Freight Logistics - 2024

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General Course Information

Course Code : AVIA2702

Year : 2024

Term : Term 2

Teaching Period : T2

Is a multi-term course? : No

Faculty : Faculty of Science

Academic Unit : School of Aviation

Delivery Mode : In Person

Delivery Format : Standard

Delivery Location : Kensington

Campus : Sydney

Study Level : Undergraduate

Units of Credit : 6

Useful Links

[Handbook Class Timetable](#)

Course Details & Outcomes

Course Description

This course is split into two parts - Aviation Security and Air Freight Logistics.

Aviation is a complex set of procedures and activities that when brought together results in a

secure and efficient transport system. Any interruption to that system, can and will have far-reaching effects on public confidence and their expectations, government oversight, delays and costs to industry, and the potential for loss of life and suffering.

Aviation security as applied to airlines and airports must be risk-based and outcomes focused. It must be tailored to the specifics of the airline or airport. Whilst it is conceded that approximately 80% of risks are known and common to all airports and airlines, the location, operating environment, brand, and political stability will all provide unique challenges to the aviation security professional. Aviation security takes a layered approach to protecting an aircraft, passengers and crew and is about reducing the risk whilst adding these elements to the aircraft.

Driven by the ever-increasing demand for speed, transparency, and efficiency in global trade, the air freight logistics industry has become a critical pillar of aviation management. It plays a vital role facilitating the movement of essential goods like pharmaceuticals, manufactured products, and humanitarian aid across borders. While air freight accounts for only a small fraction of global trade by volume, it carries a significant 35% of its total value, highlighting its importance in today's economy. This rapid and efficient transportation of high-value, time-sensitive goods relies on a complex network of interconnected stakeholders, including airlines, freight forwarders, ground handling agents, border agencies and more. Each participant in the supply chain plays a crucial role in ensuring the seamless and timely movement of cargo shipments. This part of the course delves into the core principles, operations, and regulations governing the air cargo industry, exploring its supply chain, commercial aspects, operational practices, and emerging trends.

This course provides insight into contemporary security issues of airlines and airports, aviation security standards and recommended practices, and aviation security principles and procedures. It will also develop your skills to ask, "What is the desired security outcome, and can it be achieved in different ways?". The course also introduces the framework for understanding how airfreight is moved and managed, the many demands placed upon the industry by a wide range of stakeholders, and what is needed for the airfreight industry to be successful at both an operational and business level. Unless otherwise stated, the Australian examples used throughout the course are typical of international practice.

Course Aims

The aim of the course is to provide students with an introduction to the current aviation security environment, its history, and the contemporary security measures in place; and to develop a

basic understanding of security, current issues, and future challenges within the aviation industry. It also equips students with the foundational knowledge to navigate the dynamic world of air freight logistics within the broader aviation environment. By understanding the industry's contribution to the global economy, students gain an understanding of the intricate air cargo supply chain, commercial and operational aspects of air cargo management and the key challenges and emerging trends that shape the industry. The course aims to provide a broad introductory overview of the major elements underpinning the airport and aviation security framework and how this environment changes rapidly.

Course Learning Outcomes

Course Learning Outcomes
CL01 : Explain the historical development of aviation security and the international and Australian frameworks underpinning the aviation regulatory environment and its management.
CL02 : Implement different regulatory approaches and frameworks for the management of various aviation security and air freight challenges.
CL03 : Recall and apply the principles of dealing with aviation security risks correctly in a variety of situations.
CL04 : Investigate potential security outcomes for dealing with security threats and/or risks through appropriate enquiry.
CL05 : Explain the air cargo supply chain in comprehensive detail, including key stakeholders, their roles and interactions.
CL06 : Evaluate the operational and commercial aspects of air cargo management, identifying current challenges and emerging trends that influence the industry.
CL07 : Analyse the critical role of air cargo logistics in the global economy, emphasising its contribution to speed, transparency, and efficiency in international trade.

Course Learning Outcomes	Assessment Item
CLO1 : Explain the historical development of aviation security and the international and Australian frameworks underpinning the aviation regulatory environment and its management.	• Aviation Security: Final Examination
CLO2 : Implement different regulatory approaches and frameworks for the management of various aviation security and air freight challenges.	• Air Freight and Logistics: Test • Air Freight and Logistics: Critical Thinking Essay • Aviation Security: Final Examination
CLO3 : Recall and apply the principles of dealing with aviation security risks correctly in a variety of situations.	• Aviation Security: Final Examination
CLO4 : Investigate potential security outcomes for dealing with security threats and/or risks through appropriate enquiry.	• Aviation Security: Final Examination
CLO5 : Explain the air cargo supply chain in comprehensive detail, including key stakeholders, their roles and interactions.	• Air Freight and Logistics: Test • Air Freight and Logistics: Critical Thinking Essay
CLO6 : Evaluate the operational and commercial aspects of air cargo management, identifying current challenges and emerging trends that influence the industry.	• Air Freight and Logistics: Test • Air Freight and Logistics: Critical Thinking Essay
CLO7 : Analyse the critical role of air cargo logistics in the global economy, emphasising its contribution to speed, transparency, and efficiency in international trade.	• Air Freight and Logistics: Test • Air Freight and Logistics: Critical Thinking Essay

Learning and Teaching Technologies

Moodle - Learning Management System

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Air Freight and Logistics: Test Assessment Format: Individual	25%	Start Date: Not Applicable Due Date: During class in Week 4
Air Freight and Logistics: Critical Thinking Essay Assessment Format: Individual	25%	Start Date: Week 5 Due Date: Week 10: 29 July - 04 August
Aviation Security: Final Examination Assessment Format: Individual	50%	Start Date: UNSW Exam Period Due Date: UNSW Exam Period

Assessment Details

Air Freight and Logistics: Test

Assessment Overview

You will be asked to complete an in-class invigilated quiz of multiple choice questions, focusing on course content presented in Weeks 1-3 of the AVIA2702 course. The quiz will be made available online via the AVIA2702 Moodle course page during an allocated class time in Week 4. You will be provided 25 minutes to complete the quiz and will only be allowed one attempt. Answers and marks will be made available online to students after the time allocated for the quiz has ended. In addition, verbal feedback via the convenor will be provided in class immediately after the quiz.

Course Learning Outcomes

- CL02 : Implement different regulatory approaches and frameworks for the management of various aviation security and air freight challenges.
- CL05 : Explain the air cargo supply chain in comprehensive detail, including key stakeholders, their roles and interactions.
- CL06 : Evaluate the operational and commercial aspects of air cargo management, identifying current challenges and emerging trends that influence the industry.
- CL07 : Analyse the critical role of air cargo logistics in the global economy, emphasising its contribution to speed, transparency, and efficiency in international trade.

Air Freight and Logistics: Critical Thinking Essay

Assessment Overview

You will be asked to write a maximum 2,000-word essay on an air freight and logistics related question. The assignment information and marking rubric will be provided in Week 5. You will be required to submit your essay in Week 10 via Moodle. Written feedback and marks will be provided within 10 working days after the submission deadline.

Course Learning Outcomes

- CL02 : Implement different regulatory approaches and frameworks for the management of various aviation security and air freight challenges.
- CL05 : Explain the air cargo supply chain in comprehensive detail, including key stakeholders, their roles and interactions.
- CL06 : Evaluate the operational and commercial aspects of air cargo management, identifying current challenges and emerging trends that influence the industry.
- CL07 : Analyse the critical role of air cargo logistics in the global economy, emphasising its contribution to speed, transparency, and efficiency in international trade.

Aviation Security: Final Examination

Assessment Overview

You will be asked to complete a closed book final examination comprised of multiple-choice questions, short answer questions, and essay questions, covering all content presented in the Aviation Security component (Weeks 5 to 10, inclusive) of the AVIA2702 course. The examination will be in-person and invigilated, with the actual examination being conducted through an online safe exam browser. The examination will occur in person during the official UNSW examination period, and you will be provided with 2 hours to complete the examination. Feedback is available through enquiry with the course convenors.

Course Learning Outcomes

- CL01 : Explain the historical development of aviation security and the international and Australian frameworks underpinning the aviation regulatory environment and its management.
- CL02 : Implement different regulatory approaches and frameworks for the management of various aviation security and air freight challenges.
- CL03 : Recall and apply the principles of dealing with aviation security risks correctly in a variety of situations.
- CL04 : Investigate potential security outcomes for dealing with security threats and/or risks through appropriate enquiry.

Assignment submission Turnitin type

This is not a Turnitin assignment

General Assessment Information

UNSW Aviation's decision for Short Extension Policy

The School of Aviation has carefully reviewed its range of assignments and projects to determine their suitability for automatic short extensions as set out by the UNSW Short Extension Policy. After careful consideration of our course offerings and our current structure, we have determined that our current deadline structures already accommodate the possibility of unexpected circumstances that may lead students to require additional days for submission. **Consequently, the School of Aviation has decided to not adopt the Short Extension provision for all its courses and has reassured that flexibility is integrated into our assessment deadlines.** The decision is subject to revision in response to the introduction of new course offerings. Students may still apply for Special Consideration via the usual procedures.

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 27 May - 2 June	Lecture	Introduction to the Air freight Supply Chain
Week 2 : 3 June - 9 June	Lecture	Airfreight Commercials
Week 3 : 10 June - 16 June	Lecture	Air Freight Operations
Week 4 : 17 June - 23 June	Lecture	Emerging Trends and Innovation
Week 5 : 24 June - 30 June	Lecture	Introduction to Aviation Security, Threat and Risk
Week 6 : 1 July - 7 July	Other	Flexibility week.
Week 7 : 8 July - 14 July	Lecture	International Aviation and Aviation Security Requirements
Week 8 : 15 July - 21 July	Lecture	Australian Aviation Security Requirements
Week 9 : 22 July - 28 July	Lecture	Airport Security
Week 10 : 29 July - 4 August	Lecture	Airline Security, Cargo Security and Revision

Attendance Requirements

Please note that lecture recordings are not available for this course. Students are strongly encouraged to attend all classes and contact the Course Authority to make alternative arrangements for classes missed.

General Schedule Information

UNSW Aviation's decision to not release Lecture Recordings:

The School of Aviation prides itself on offering education that supports students in their personalised learning journey. This involves providing opportunities for students to engage with academics and key aviation experts to identify and address learning gaps, develop core skills and knowledge, and foster an environment of collaboration and meaningful discussion with the UNSW Aviation community. To support this vision, UNSW Aviation has decided to require students to attend all synchronous lectures (in-person or online) and not release class recordings to the student cohort. If students cannot attend a class and require learning support due to unforeseen circumstances, they should contact their Course Coordinator or Program Coordinator to discuss options for support and making up for missed class time.

Course Resources

Course Evaluation and Development

The myExperience Survey aims to boost student feedback which creates a culture of continuous

improvement by identifying, responding to, and acting on student feedback.

The course survey will open towards the end of Term. Students are encouraged to participate in the survey via Moodle, myUNSW, or through the direct myExperience link.

Please provide constructive feedback and focus on your learning experience in relation to the course material. While the survey is confidential, it is not anonymous. Comments that breach the Student Code of Conduct, that are hurtful, racist, sexist or ill natured, may lead to disciplinary action.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Trevor Jones				Before and after lecture and anytime via email.	No	Yes
Lecturer	Philip Dias				Before and after lecture and anytime via email.	No	No

Other Useful Information

Academic Information

Upon your enrolment at UNSW, you share responsibility with us for maintaining a safe, harmonious and tolerant University environment.

You are required to:

- Comply with the University's conditions of enrolment.
- Act responsibly, ethically, safely and with integrity.
- Observe standards of equity and respect in dealing with every member of the UNSW community.
- Engage in lawful behaviour.
- Use and care for University resources in a responsible and appropriate manner.
- Maintain the University's reputation and good standing.

For more information, visit the [UNSW Student Code of Conduct Website](#).

Academic Honesty and Plagiarism

Referencing is a way of acknowledging the sources of information that you use to research your

assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism. Further information about referencing styles can be located at <https://student.unsw.edu.au/referencing>

Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage. At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.

Further information about academic integrity, plagiarism and the use of AI in assessments can be located at:

- The [Current Students site](#),
- The [ELISE training site](#), and
- The [Use of AI for assessments](#) site.

The Student Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: <https://student.unsw.edu.au/conduct>

Submission of Assessment Tasks

Penalty for Late Submissions

UNSW has a standard late submission penalty of:

- 5% per day,
- for all assessments where a penalty applies,
- capped at five days (120 hours) from the assessment deadline, after which a student cannot submit an assessment, and
- no permitted variation.

Any variations to the above will be explicitly stated in the Course Outline for a given course or assessment task.

Students are expected to manage their time to meet deadlines and to request extensions as early as possible before the deadline.

Special Consideration

If circumstances prevent you from attending/completing an assessment task, you must officially apply for special consideration, usually within 3 days of the sitting date/due date. You can apply

by logging onto myUNSW and following the link in the My Student Profile Tab. Medical documentation or other documentation explaining your absence must be submitted with your application. Once your application has been assessed, you will be contacted via your student email address to be advised of the official outcome and any actions that need to be taken from there. For more information about special consideration, please visit: <https://student.unsw.edu.au/special-consideration>

Important note: UNSW has a “fit to sit/submit” rule, which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit to do so and cannot later apply for Special Consideration. This is to ensure that if you feel unwell or are faced with significant circumstances beyond your control that affect your ability to study, you do not sit an examination or submit an assessment that does not reflect your best performance. Instead, you should apply for Special Consideration as soon as you realise you are not well enough or are otherwise unable to sit or submit an assessment.

Faculty-specific Information

Additional support for students

- [The Current Students Gateway](#)
- [Student Support](#)
- [Academic Skills and Support](#)
- [Student Wellbeing, Health and Safety](#)
- [Equitable Learning Services](#)
- [UNSW IT Service Centre](#)
- Science EDI Student [Initiatives](#), [Offerings](#) and [Guidelines](#)

School Contact Information

Email:

aviation@unsw.edu.au

Telephone:

Undergraduate Courses - +61 2 9385 5756 (Katie Wang)

Postgraduate Courses - +61 2 9385 5787 (Michelle Lee)