UNSW Course Outline

ZEIT3503 Aerodynamics - 2024

Published on the 12 Feb 2024

General Course Information

Course Code : ZEIT3503
Year : 2024
Term : Semester 1
Teaching Period : Z1
Is a multi-term course? : No
Faculty : UNSW Canberra
Academic Unit : School of Engineering and Technology
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : UNSW Canberra at ADFA
Campus : UNSW Canberra
Study Level : Undergraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

ZEIT 3503 is a 3rd year 6UoC core course for the BE Aero and BTech Aero programs.

This course builds on ZEIT2500 Thermofluids and ZEIT2503 Fluid Mechanics. The fluid mechanical knowledge assumed in the present course is the knowledge of the physical principles and, in particular, the conservation laws governing fluid flow and the forces exerted by

fluids as they flow over solid objects.

The primary aim of this course is to impart knowledge and understanding of how wings and other bodies produce aerodynamic forces known as lift and drag in flight/motion. The course also aims at elucidating the physical origins of the more subtle aspects of the interaction between a fluid and a solid.

As flight speed rises, the physical behaviour of the flow around a solid body, such as an aircraft, alters markedly causing major changes in the forces the flow exerts on the body. Detailed understanding of flow behaviour is therefore vital for ensuring that an aircraft will behave as desired throughout the full range of its flight regime.

A further aim is to have students experience the acquisition of non-intuitive knowledge that is not easily accessible. This fits into the whole program's underlying purpose to teach students how to learn.

A third aim is to demonstrate that such apparently esoteric theory can inform us about flight in "the real world".

Course Aims

The primary aim of this course is to impart knowledge and understanding of how wings and other bodies produce aerodynamic forces known as lift and drag in flight/motion. The course also aims at elucidating the physical origins of the more subtle aspects of the interaction between a fluid and a solid.

Relationship to Other Courses

This course builds on ZEIT2500 Thermofluids and ZEIT2503 Fluid Mechanics and uses the mathematical tools introduced in ZPEM2309/ZPEM2310 Engineering Mathematics 2A/2B. The fluid mechanical knowledge assumed in the present course is the knowledge of the physical principles and, in particular, the conservation laws governing fluid flow and the forces exerted by fluids as they flow over solid objects.

Prerequisites:

ZEIT2500 Thermofluids

ZEIT2503 Fluid Mechanics

ZPEM2309 Engineering Mathematics 2A

ZPEM2310 Engineering Mathematics 2B

Course Learning Outcomes

Course Learning Outcomes	Engineers Australia - Engineering Technologist (Stage 1), Engineers Australia - Professional Engineer (Stage 1)
CLO1 : Construct inviscid flow patterns around objects of simple shape by using the fundamental “building block” flows of Potential Flow Theory	• PEE2.1 : Application of established engineering methods to complex engineering problem solving
CLO2 : Determine the lift and drag for airfoils and finite wings in incompressible flows	• PEE2.3 : Application of systematic engineering synthesis and design processes
CLO3 : Perform basic calculations to determine the flow properties in simple two-dimensional compressible flows	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline
CLO4 : Estimate the loading imparted on a structure by a shock or blast wave	• PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline
CLO5 : Determine the lift and drag of simple geometric structures in supersonic flows	• ET2.2 : Application of engineering techniques, tools and resources within the technology domain

Course Learning Outcomes	Assessment Item
CLO1 : Construct inviscid flow patterns around objects of simple shape by using the fundamental “building block” flows of Potential Flow Theory	• Quiz One • Assignment One • Examination
CLO2 : Determine the lift and drag for airfoils and finite wings in incompressible flows	• Quiz Two • Assignment Two • Examination
CLO3 : Perform basic calculations to determine the flow properties in simple two-dimensional compressible flows	• Quiz Two • Assignment Two • Examination
CLO4 : Estimate the loading imparted on a structure by a shock or blast wave	• Assignment three • Quiz three • Examination
CLO5 : Determine the lift and drag of simple geometric structures in supersonic flows	• Laboratory • Assignment three • Quiz three • Examination

Learning and Teaching Technologies

Moodle - Learning Management System | Echo 360

Learning and Teaching in this course

Teaching Strategies

This course examines theories of considerable complexity. This requires extensive discussion of the meaning, mechanics and implications of the theory.

In-class discussion is encouraged. This requires your active participation, a practice known to improve the rate and depth of learning. The emphasis of the discussion will be formative (assisting learning) rather than summative (finding out what is already known) or punitive (punishing you for “incorrect” answers). “Wrong” answers stimulate thinking, analysis and debate so be brave and outspoken!

The Learning Management System

Moodle is the Learning Management System used at UNSW Canberra. All courses have a Moodle site which will become available to students at least one week before the start of semester. Please find all help and documentation (including Blackboard Collaborate) at the Moodle Support page.

UNSW Moodle supports the following web browsers:

» Google Chrome 50+
» Safari 10+
** Internet Explorer is not recommended

** Addons and Toolbars can affect any browser’s performance.

Operating systems recommended are:

Windows 7, 10, Mac OSX Sierra, iPad IOS10

For further details about system requirements click here.

Log in to Moodle here.

If you need further assistance with Moodle:

For enrolment and login issues please contact:
IT Service Centre
Email: itservicecentre@unsw.edu.au
Phone: (02) 9385-1333
International: +61 2 9385 1333

For all other Moodle issues please contact:
External TELT Support
Email: externalteltsupport@unsw.edu.au
Phone: (02) 9385-3331
International: +61 2 938 53331

Opening hours:
Monday – Friday 7:30am – 9:30 pm
Saturday & Sunday 8:30 am – 4:30pm

Other Professional Outcomes

Program Learning Outcomes

This course contributes to the following Program Learning Outcomes of the Bachelor of Engineering (Hons) and Bachelor of Technology (Aeronautical):

1. Students will be able to relate a quantitative, theory-based understanding of the sciences and fundamentals of aeronautical engineering (encompassing aerodynamics, structural mechanics, instrumentation, propulsion and control of aeronautical and space systems);
2. Students will demonstrate a comprehensive understanding of flight vehicles and their systems, and articulate directions of future research and knowledge development in aeronautical engineering.

Additional Course Information

Referencing

In this course, students are required to reference following the APA 7 / Chicago NB referencing style. Information about referencing styles is available at: https://guides.lib.unsw.adfa.edu.au/c.php?g=472948&p=3246720

Study at UNSW Canberra

https://www.unsw.adfa.edu.au/study

Study at UNSW Canberra has lots of useful information regarding:

- Where to get help
- Administrative matters
- Getting your passwords set up
- How to log on to Moodle
- Accessing the Library and other areas.

Additional Information as required

CRICOS Provider no. 00098G

The University of New South Wales Canberra.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates	Engineers Australia - Engineering Technologist (Stage 1), Engineers Australia - Professional Engineer (Stage 1)
Quiz One Assessment Format: Individual	8%	Start Date: 18/03/2024 10:00 AM Due Date: 18/03/2024 11:00 AM	• ET2.1 : Application of established engineering methods to broadly-defined problem solving within the technology domain • PEE2.1 : Application of established engineering methods to complex engineering problem solving
Assignment One Assessment Format: Group	6%	Start Date: 15/03/2024 03:00 PM Due Date: 05/04/2024 11:55 PM	• ET2.1 : Application of established engineering methods to broadly-defined problem solving within the technology domain • PEE2.1 : Application of established engineering methods to complex engineering problem solving
Quiz Two Assessment Format: Individual	11%	Start Date: 06/05/2024 10:00 AM Due Date: 06/05/2024 11:00 AM	• ET1.1 : Systematic, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the technology domain • ET2.3 : Application of systematic synthesis and design processes within the technology domain • PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE2.3 : Application of systematic engineering synthesis and design processes
Assignment Two Assessment	6%	Start Date: 05/04/2024 12:00 PM	• ET1.1 : Systematic, theory based understanding of the

Format: Group		Due Date: 09/05/2024 11:55 PM	underpinning natural and physical sciences and the engineering fundamentals applicable to the technology domain • ET2.3 : Application of systematic synthesis and design processes within the technology domain • PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE2.3 : Application of systematic engineering synthesis and design processes
Assignment three Assessment Format: Group	6%	Start Date: 13/05/2024 03:00 PM Due Date: 31/05/2024 11:55 PM	• ET1.2 : Conceptual understanding of the, mathematics, numerical analysis, statistics, and computer and information sciences which underpin the technology domain • ET2.2 : Application of engineering techniques, tools and resources within the technology domain • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE2.2 : Fluent application of engineering techniques, tools and resources
Quiz three Assessment Format: Individual	11%	Start Date: 03/06/2024 10:00 AM Due Date: 03/06/2024 11:00 AM	• ET1.2 : Conceptual understanding of the, mathematics, numerical analysis, statistics, and computer and information sciences which underpin the technology domain • ET2.2 : Application of engineering techniques, tools and resources within the technology domain

			• PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE2.2 : Fluent application of engineering techniques, tools and resources
Laboratory Assessment Format: Group	2%	Start Date: Not Applicable Due Date: report is due one week after the lab	• ET2.2 : Application of engineering techniques, tools and resources within the technology domain • PEE2.2 : Fluent application of engineering techniques, tools and resources
Examination Assessment Format: Individual	50%	Start Date: Not Applicable Due Date: Not Applicable	• ET1.1 : Systematic, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the technology domain • ET1.2 : Conceptual understanding of the, mathematics, numerical analysis, statistics, and computer and information sciences which underpin the technology domain • ET2.1 : Application of established engineering methods to broadly-defined problem solving within the technology domain • ET2.2 : Application of engineering techniques, tools and resources within the technology domain • ET2.3 : Application of systematic synthesis and design processes within the technology domain • PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual

			understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes

Assessment Details

Quiz One

Assessment Overview

This one-hour quiz will check the student's basic understanding of potential theory. The quiz will be marked and returned to the students.

Course Learning Outcomes

- CLO1 : Construct inviscid flow patterns around objects of simple shape by using the fundamental “building block” flows of Potential Flow Theory

Detailed Assessment Description

Quiz 1 will be held in week 4 Feedback and grades will be given to students during week 4 if there is no special consideration application. If there is special consideration application, feedback of Quiz 1 can only be provided once all submissions have been received.

Assignment submission Turnitin type

Not Applicable

Assignment One

Assessment Overview

This assignment, run as a group assessment for a group of up to four students, will cover several questions related to potential theory. The assignment will be marked and returned to the students.

Course Learning Outcomes

- CLO1 : Construct inviscid flow patterns around objects of simple shape by using the fundamental “building block” flows of Potential Flow Theory

Assignment submission Turnitin type

Not Applicable

Quiz Two

Assessment Overview

This one-hour quiz will check the student's basic understanding of airfoil theory and subsonic finite wing theory as well as basics of compressible flows. The quiz will be marked and returned to the students.

Course Learning Outcomes

- CLO2 : Determine the lift and drag for airfoils and finite wings in incompressible flows
- CLO3 : Perform basic calculations to determine the flow properties in simple two-dimensional compressible flows

Assignment submission Turnitin type

Not Applicable

Assignment Two

Assessment Overview

This assignment (again run as a group assessment) will cover several questions related to airfoil theory and subsonic finite wing theory. The assignment will be marked and returned to the students.

Course Learning Outcomes

- CLO2 : Determine the lift and drag for airfoils and finite wings in incompressible flows
- CLO3 : Perform basic calculations to determine the flow properties in simple two-dimensional compressible flows

Assessment Length

This assessment includes four questions.

Assignment submission Turnitin type

This is not a Turnitin assignment

Assignment three

Assessment Overview

This assignment (again run as a group assessment) will cover several questions related to compressible flows and shock wave physics. The assignment will be marked and returned to the students.

Course Learning Outcomes

- CLO4 : Estimate the loading imparted on a structure by a shock or blast wave
- CLO5 : Determine the lift and drag of simple geometric structures in supersonic flows

Assignment submission Turnitin type

Not Applicable

Quiz three

Assessment Overview

This one-hour quiz will check the student's basic understanding of compressible flows and shock wave physics. The quiz will be marked and returned to the students.

Course Learning Outcomes

- CLO4 : Estimate the loading imparted on a structure by a shock or blast wave
- CLO5 : Determine the lift and drag of simple geometric structures in supersonic flows

Assignment submission Turnitin type

Not Applicable

Laboratory

Assessment Overview

A one-hour laboratory towards the end of the course aims at applying the theories of compressible flows and shock waves in a wind tunnel test scenario. These tests will be run in groups of up to four students.

A lab report is to be submitted by each group. The marked and annotated lab report will be returned to the students.

Course Learning Outcomes

- CLO5 : Determine the lift and drag of simple geometric structures in supersonic flows

Detailed Assessment Description

This lab is a capstone activity for the Compressible Flows section of this course and will be run

in the last two weeks of the semester.

Assignment submission Turnitin type

Not Applicable

Examination

Assessment Overview

Final exam, which covers all topics discussed in the course.

Course Learning Outcomes

- CLO1 : Construct inviscid flow patterns around objects of simple shape by using the fundamental “building block” flows of Potential Flow Theory
- CLO2 : Determine the lift and drag for airfoils and finite wings in incompressible flows
- CLO3 : Perform basic calculations to determine the flow properties in simple two-dimensional compressible flows
- CLO4 : Estimate the loading imparted on a structure by a shock or blast wave
- CLO5 : Determine the lift and drag of simple geometric structures in supersonic flows

Assignment submission Turnitin type

Not Applicable

General Assessment Information

Assessment Requirements

The assessment will consist of a mix of assignments, quizzes, a lab and a final examination. These will assist learning by requiring you to study as the course proceeds.

Each of the assessment items covers a different aspect of the learning outcomes: the purpose of the quizzes is to assess your understanding of the new tools you will be introduced to in the course, while the lab and the assignments will give you the opportunity to apply these tools. The final exam will assess both your understanding of the tools and whether you can apply them properly.

Assignment Groups, each consisting of four students, will be formed in the first week of the course. Each assignment will be completed jointly by the Assignment Group members who will all receive the group mark for that assignment.

Assignments are also intended to foster discussion with the lecturer, other staff and fellow students on the nature of the assignment problems and their solution. The detailed working of

the solution and the preparation of the assignment submission itself must be the group's own individual work.

Assignments and the laboratory reports must be prepared in a clearly structured and sufficiently annotated way so that the development of the final results is clearly shown. Assignments and lab reports that do not meet the basic standards for such take-home assessment tasks will not be accepted. Specific guidelines for assignments and lab reports will be discussed and distributed in class.

Assignments and lab reports are to be submitted electronically via Moodle.

The laboratory will have a duration of approximately 60 minutes and will be run for groups of four students. Each group will be expected to prepare a detailed report on the experiment, following the standard scientific reporting structure made available in the course materials. The detailed laboratory schedule will be verified at the middle of the session.

The examination components of the assessment provide assurance that the knowledge and understanding demonstrated are your own and provide a measure of that knowledge and understanding. They also provide an extra incentive for study. They will consist of:

- Three 50-minute quizzes which typically feature a set of conceptual questions rather than numerical problems. All quizzes are closed book assessments (no calculators, no notes, no books). The quizzes will nominally be held during the Monday morning lecture, with changes possible depending on venue availability.
- A 3-hour final exam, which will cover material from the entire course. A formula sheet will be provided. You may bring into the exam your own calculator and **two A4-size pages** of notes.

Detailed instructions for each examination component will be issued separately.

Details regarding the late submission of assessments are given in the section "Other Useful Information" at the end of this course outline.

Level of use of Generative AI in Assessments:

No Assistance of Generative AI in Assessments is permitted - it is prohibited to use any software or service to search for or generate information or answers.

Grading Basis

Standard

Requirements to pass course

Total mark (in-session and exam, with given weight factors) > 50%

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 26 February - 1 March	Blended	Lectures, tutorials: Potential Flow pt. 1 Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 2 : 4 March - 8 March	Blended	Lectures, tutorials: Potential Flow pt. 2 Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 3 : 11 March - 15 March	Blended	Lectures, tutorials: Potential Flow pt. 3 Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 4 : 18 March - 22 March	Blended	Lectures, tutorials: Thin airfoil theory pt. 1 Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
	Assessment	Quiz One
Week 5 : 25 March - 29 March	Blended	Lectures, tutorials: Thin airfoil theory pt. 2, Finite Wing theory pt.1 Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 6 : 1 April - 5 April	Blended	Lectures, tutorials: Finite Wing theory pt. 2 Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
	Assessment	Assignment One
Week 7 : 22 April - 26 April	Blended	Lectures, tutorials: Finite Wing theory pt. 3 Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 8 : 29 April - 3 May	Blended	Lectures, tutorials: Basic concepts of compressible flows Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 9 : 6 May - 10 May	Blended	Lectures, tutorials: Basic concepts of compressible flows, nozzle flows Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
	Assessment	Quiz Two Assignment Two
Week 10 : 13 May - 17 May	Blended	Lectures, tutorials: Nozzle flows, shock waves Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 11 : 20 May - 24 May	Blended	Lectures, tutorials: Nozzle flows, shock waves, blast waves Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
Week 12 : 27 May - 31 May	Blended	Lectures, tutorials: Shock waves, blast waves, expansion waves Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
	Assessment	Assignment Three
Week 13 : 3 June - 7 June	Blended	Lectures, tutorials: Lift and wave drag Lectures will be given by Harald Kleine, tutorials by Krishna Talluru.
	Assessment	Quiz Three

Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

General Schedule Information

The course is divided into two main chapters, Subsonic Finite Wing Theory (Part I) and Compressible Flows (Part II).

Scheduled contact times are:

Lectures: Monday, 10h00-11h00, Wednesday, 12h10-14h00, Friday, 10h00-11h50

Tutorials: Tuesday, 12h10-14h00, and Thursday, 16h10-18h00

Students are expected to attend the assigned tutorial session.

Laboratories: The labs will be run on Monday, Tuesday and Wednesday afternoons in weeks 12 and 13. Each lab is attended by four students, a schedule for this is supplied by SAS.

The general week-by-week course schedule shown in this course outline is only **tentative** as the pace of lecturing is adjusted continually in response to the pace of learning.

Based on the information given in the ADFA Planner for 2024, the regular lecture schedule will not be followed on the following days:

March 11 - Canberra Day (lost - no lecture)

March 29 - Good Friday (lost - no lecture)

April 1 - Easter Monday (lost - no lecture)

April 24 - Military Training Day (lost - no lecture)

April 25 - ANZAC Day (lost - no tutorial)

May 10 - Military Training Day (lost - no lecture)

May 27 - Reconciliation Day (compensation day: May 28)

May 28 - Compensation Day for Reconciliation Day (lost - no tutorial)

Course Resources

Prescribed Resources

Compulsory textbook

“Fundamentals of Aerodynamics”, John D. Anderson Jr. (McGraw-Hill) Fifth or Sixth Edition.

Copies of the lecture PowerPoint slides will be provided on Moodle.

Recommended Resources

other adequate Aerodynamics textbooks, but please be aware of potential differences in the

basic nomenclature and definitions

Additional Costs

n/a

Course Evaluation and Development

One of the key priorities in the 2025 Strategy for UNSW is a drive for academic excellence in education. One of the ways of determining how well UNSW is progressing towards this goal is by listening to our own students. Students will be asked to complete the myExperience survey towards the end of this course.

Students can also provide feedback during the semester via: direct contact with the lecturer, the "On-going Student Feedback" link in Moodle, Student-Staff Liaison Committee meetings in schools, informal feedback conducted by staff, and focus groups. Student opinions really do make a difference. Refer to the Moodle site for this course to see how the feedback from previous students has contributed to the course development.

Important note: Students are reminded that any feedback provided should be constructive and professional and that they are bound by the Student Code of Conduct Policy

https://www.gs.unsw.edu.au/policy/documents/studentcodepolicy.pdf

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Harald Kleine		room 130A, building 17	02 5114 5166	I am usually available for additional consultation during normal working hours; please phone or email to make an appointment.	No	Yes
Tutor	Krishna Murali Talluru		room 202, building 16	02 5114 5331	I am usually available for additional consultation during normal working hours; please phone or email to make an appointment.	No	No

Other Useful Information

Academic Information

Course Evaluation and Development

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Students can also provide feedback during the semester via: direct contact with the lecturer, the "On-going Student Feedback" link in Moodle, Student-Staff Liaison Committee meetings in schools, informal feedback conducted by staff, and focus groups (where applicable). Student opinions really do make a difference. Refer to the Moodle site for your course to see how the feedback from previous students has contributed to the course development.

Important note: Students are reminded that any feedback provided should be constructive and professional and that they are bound by the Student Code of Conduct.

https://www.gs.unsw.edu.au/policy/documents/studentcodepolicy.pdf

Equitable Learning Services (ELS)

Students living with neurodivergent, physical and/or mental health conditions or caring for someone with these conditions may be eligible for support through the Equitible Learning Services team. Equitable Learning Services is a free and confidential service that provides practical support to ensure your mental or physical health conditions do not adversely affect your studies.

Our team of dedicated **Equitable Learning Facilitators** (ELFs) are here to assist you through this process. We offer a number of services to make your education at UNSW easier and more equitable.

Further information about ELS for currently enrolled students can be found at: https://www.student.unsw.edu.au/equitable-learning

Academic Honesty and Plagarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students have a responsibility to adhere to this principle of academic integrity. All students are expected to adhere to UNSW's Student Code of Conduct. Find relevant information at: Student Code of Conduct (unsw.edu.au)

Plagiarism undermines academic integrity and is not tolerated at UNSW. It is defined as using the words or ideas of others and passing them off as your own, and can take many forms, from deliberate cheating to accidental copying from a source without acknowledgement.

For more information, please refer to the following:

https://student.unsw.edu.au/plagiarism

Submission of Assessment Tasks

Special Consideration

Special Consideration is the process for assessing and addressing the impact on students of short-term events, that are beyond the control of the student, and that affect performance in a specific assessment task or tasks.

Applications for Special Consideration will be accepted in the following circumstances only:

- Where academic work has been hampered to a substantial degree by illness or other cause;
- The circumstances are unexpected and beyond the student's control;
- The circumstances could not have reasonably been anticipated, avoided or guarded against by the student; and either:

(i) they occurred during a critical study period and was 3 consecutive days or more duration, or a total of 5 days within the critical study period; or

(ii) they prevented the ability to complete, attend or submit an assessment task for a specific date (e.g. final exam, in class test/quiz, in class presentation)

Applications for Special Consideration must be made as soon as practicable after the problem occurs and at the latest within three working days of the assessment or the period covered by the supporting documentation.

By sitting or submitting the assessment task the student is declaring that they are fit to do so and cannot later apply for Special Consideration (UNSW 'fit to sit or submit' requirement).

Sitting, accessing or submitting an assessment task on the scheduled assessment date, after applying for special consideration, renders the special consideration application void.

Find more information about special consideration at: https://www.student.unsw.edu.au/special/

consideration/guide

Or apply for special consideration through your MyUNSW portal.

Late Submission of assessment tasks (other than examinations)

UNSW has a standard late submission penalty of:

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

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

Electronic submission of assessment

Except where the nature of an assessment task precludes its electronic submission, all assessments must be submitted to an electronic repository, approved by UNSW or the Faculty, for archiving and subsequent marking and analysis.

Release of final mark

All marks obtained for assessment items during the session are provisional. The final mark as published by the university following the assessment review group meeting is the only official mark.