UNSW Course Outline

ZEIT8511 Testing and Evaluation of Explosive Ordnance - 2024

Published on the 11 Feb 2024

General Course Information

Course Code : ZEIT8511
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 : Online
Delivery Format : Standard
Delivery Location : UNSW Canberra at ADFA
Campus : UNSW Canberra
Study Level : Postgraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

This course provides a critical understanding of how initiation reactions in energetic materials can transition to detonation and an energetic material's response to stimuli. The course will develop knowledge and practical application of test methods, test standards, test

instrumentation and measuring equipment, test requirements, and surveillance techniques for explosives and EO.

Enrolment in this course is only available to students nominated by the Department of Defence.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Describe the available test standards.
CLO2 : Detail experimental design methodology, testing techniques and procedures to evaluate energetic material safety.
CLO3 : Describe the physics of deflagration-to-detonation and shock-to-detonation mechanisms.
CLO4 : Critically evaluate ageing and life assessment of weapons and other systems containing energetic materials.
CLO5 : Critically evaluate different surveillance techniques for explosives and EO.
CLO6 : Describe the various computational techniques and material models that can be used to evaluate energetic systems.

Course Learning Outcomes	Assessment Item
CLO1 : Describe the available test standards.	• Capstone Assignment
CLO2 : Detail experimental design methodology, testing techniques and procedures to evaluate energetic material safety.	• Capstone Assignment
CLO3 : Describe the physics of deflagration-to-detonation and shock-to-detonation mechanisms.	
CLO4 : Critically evaluate ageing and life assessment of weapons and other systems containing energetic materials.	• Capstone Assignment
CLO5 : Critically evaluate different surveillance techniques for explosives and EO.	• Capstone Assignment
CLO6 : Describe the various computational techniques and material models that can be used to evaluate energetic systems.	• Capstone Assignment

Learning and Teaching Technologies

Moodle - Learning Management System

Learning and Teaching in this course

The course is structured around a series of lecture-style presentations and discussions on

specialist topics. Some content will be available online including pre-recorded content. The course notes, which form the basis of the presentations, are supplemented by commercial and technical resource materials which will be available on the MOODLE site for the course.

Reference to these resources is recommended in preparation for the examination(s). Your ability to utilize and integrate a range of technical resources in the assessment tasks will be a major criterion for superior performance in the course. Reference to these supplementary resources will greatly enhance your understanding of the various topics and develop an appreciation of the many types and formats of reference material which you may expect to be exposed to, and make use of, in your professional life.

Your active participation in the presentations is highly valued and will contribute significantly to the overall benefit and outcomes of the course.

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

Course Outline

The Course Outline for convenience:

At the successful completion of this course you will, at a minimum, be able to:

LO1: Describe the available energetic materials test standards;

LO2: Discuss the physics of deflagration-to-detonation and shock-to-detonation mechanisms;

LO3: Describe the various computational techniques and material models that can be used to evaluate energetic systems;

LO4: Analyse experimental methodology, testing techniques and procedures used to evaluate energetic material safety;

LO5: Critically evaluate ageing and life assessments for munitions and other systems containing energetic materials; and

LO6: Critically evaluate different surveillance techniques for explosives and EO.

CLO1: Describe the available energetic materials test standards:

- MSIAC
- UN Recommendations on the Transport of Dangerous Goods, Model Regulations and Manual of Tests
- NATO STANAGs
- AOPs
- MIL-STDs

CLO2: Discuss the physics of deflagration-to-detonation and shock-to-detonation mechanisms:

- Deflagration
- Deflagration-to-detonation
- Shock
- Shock-to-detonation

CLO3: Describe the various computational techniques and material models that can be used to evaluate energetic systems:

- Predictive Algorithms
- Gurney Equation
- Using Modelling and Simulation

CLO4: Apply experimental methodology, testing techniques and procedures used to evaluate energetic material safety:

- Small-Scale (Powder) Tests
- Impact sensitivity
- Friction Sensitivity
- Electrostatic Discharge Sensitivity
- Thermal Stability
- Charge-scale tests
- Velocity of Detonation
- Critical Diameter
- Explosiveness
- Weapon-scale and system-scale tests
- Environmental testing
- IM testing
- Environmental compliance
- Requirements and test planning
- Alternative Testing methodologies
- Statistics
- Data collection
- Data analysis
- Data presentation
- Data retention

CLO5: Critically evaluate ageing and life assessment of weapons and other systems containing energetic materials:

- EO Ageing
- Arrhenius Equation
- Propellant ageing
- Case Study - Nitrocellulose
- Stabiliser/stability testing
- Compatibility testing

CLO6: Critically evaluate different surveillance techniques for explosives and EO:

- In-Service Surveillance
- Surveillance definitions and concepts
- Considerations for ISS
- Surveillance methodologies

Additional Course Information

The objective for this course is that students develop their ability to independently research methods for evaluating the material properties of explosives and other energetic materials and understand how this knowledge can be used to resolve the safe life of munitions.

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

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Online Quiz 1 Assessment Format: Individual	20%	Start Date: Not Applicable Due Date: Week 4: 18 March - 22 March
Capstone Assignment Assessment Format: Individual	40%	Start Date: Not Applicable Due Date: Week 12: 27 May - 31 May
Online Quiz 2 Assessment Format: Individual	20%	Start Date: Not Applicable Due Date: Week 9: 06 May - 10 May
Online Quiz 3 Assessment Format: Individual	20%	Start Date: Not Applicable Due Date: Week 13: 03 June - 07 June

Assessment Details

Online Quiz 1

Assessment Overview

n/a

Detailed Assessment Description

The Online Quiz is a Moodle based, open-book formative assessment covering CLOs 1-4 (containing standards, test methods, DDT / SDT and modelling). The Quiz is designed to determine a student's ability to research complex topics and their comprehension of the subject matter. Marks will not be awarded for partial completion or a change of mind to opt in after the fact.

The students need to search through the many standards, manuals and academic papers that have been supplied to source scholarly information that supports the desired research objective. Individual research from other sources is permitted. The criteria for success is that the student response provides a logical, concise and articulate representation of the idea or argument required by the question. A quality response will be in the students own words (vice a direct quote) and elicit additional knowledge of the underpinning science or demonstration of evidence that supports the answer, as well as a citation of the source.

Assessment information

This quiz will have a closing date and must be completed prior to that date.

Assignment submission Turnitin type

Not Applicable

Capstone Assignment

Assessment Overview

n/a

Course Learning Outcomes

- CLO1 : Describe the available test standards.
- CLO2 : Detail experimental design methodology, testing techniques and procedures to evaluate energetic material safety.
- CLO4 : Critically evaluate ageing and life assessment of weapons and other systems containing energetic materials.
- CLO5 : Critically evaluate different surveillance techniques for explosives and EO.
- CLO6 : Describe the various computational techniques and material models that can be used to evaluate energetic systems.

Detailed Assessment Description

Covers CLOs 1, 2, 4, 5, 6

Weighting: 40%

Compulsory

Upper word limit: 2000 words + Executive Summary (as required)

You are an EO Subject Matter Expert responsible for managing an inventory of EO Configuration Items. You have been tasked to conduct a mid-Service Life Extension Assessmenmt for a munition. You have conducted a full FMECA assessment and determined that the life limiting component of the munition is the energetic material(s) and it's response to ageing over Life of Type. Compile a brief to the Chief Engineer, the Accountable Authority, that incorporates a detailed assessment on the explosive type(s) and the mechanisms of ageing/decomposition over time, citing scholarly evidence to support your research. Provide an optimised life assessment based on your research and determine if a Service Life Extension is appropriate to recommend.

The brief can be compiled in any format. However, discussions should be concise and factual. If you offer a position on a scientific aspect or make a determination, it should be supported by appropriate evidence. Where evidence is limited, an appropriate assessment of risk may be necessary to justify your recommended lifing policy and service life extension requirements. You may wish to consider the audience and include an Executive Summary.

The scope of the assignment is limited to one different munition type per person; each munition will have different energetics. There is an opportunity to collaborate in ageing studies where students find they have similar energetics to one another.

The purpose of this assessment is to appraise a student's ability to research complex, highly contextualised topics that evaluates a specialised aspect of explosive science. This assessment is designed to emulate a real-world activity that would be expected of an Explosive Ordnance expert in a military context. Specifically, the student will be required to form a judgement(s) on the mechanisms of ageing and appropriate lifing policy of a particular munition (and inherent energetics) and convey those arguments to someone positioned as a decision maker.

It is expected that the student will have to research the ageing process specific to the energetic material(s) contained within the assigned munition, culminating in selecting the life limiting factor. Students should consider the energetics application within the munition design and within the context of the munition's configuration, role and environment both operationally and in Storage and Transport. Citing appropriate evidence, the student will hypothesise an **optimised** lifing policy for continued safe use of the munition, appropriately balanced by risk assessments where quantifiable data is limited. To inform any risk assessments compiled, students should consider the quantity of their assigned Configuration Items held within the inventory, the quantity consumed over Life of Type and any accidents or incidents resulting from normal use. The student will generate a report/brief conveying their arguments concisely and logically, providing recommendations and conclusions on the lifing policy to a decision maker. Students will be assessed on academic integrity and rigour, flow of logic, appropriateness of evidence supporting analyses/discussions and how well the research supports the recommendations and conclusions.

Assessment Length

2000 words, plus Executive summary.

Assessment information

- Unless prior arrangement is made with the lecturer or a formal application for special consideration is submitted, a penalty of 5% of the total available mark for the assessment will apply for each day that an assessment item is late up to a maximum of 5 days (120 hours) after which an assessment can no longer be submitted and a grade of 0 will be applied.
- *For this assessment task, you may use standard editing and referencing software, but not Generative AI. You are permitted to use the full capabilities of the standard software to answer the question (e.g. you may wish to specify particular software such as Microsoft Office suite, Grammarly, etc.).*

If the use of generative AI such as ChatGPT is detected, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students do not see Turnitin similarity reports.

Online Quiz 2

Assessment Overview

n/a

Detailed Assessment Description

This quiz will test your ability to interpret the reading material.

The Online Quiz is a Moodle based, open book, formative assessment covering CLOs 1-4 (containing standards, test methods, DDT / SDT and modelling). The Quiz is designed to determine a student's ability to research complex topics and their comprehension of the subject matter.

The students need to search through the many standards, manuals and academic papers that have been supplied to source scholarly information that supports the desired research objective. Individual research from other sources is permitted. The criteria for success is that the student response provides a logical, concise and articulate representation of the idea or argument required by the question. A quality response will be in the students own words (vice a direct quote) and elicit additional knowledge of the underpinning science or demonstration of evidence that supports the answer, as well as a citation of the source.

Assessment information

Feedback on the results of quiz will be given at the end of week the task is due.

This quiz will have a due date and must be completed prior to that closing date and time.

Assignment submission Turnitin type

Not Applicable

Online Quiz 3

Assessment Overview

n/a

Detailed Assessment Description

This quiz will test your ability to interpret the reading material.

The Online Quiz is a Moodle based, open book, formative assessment covering CLOs 1-6 (containing standards, test methods, DDT / SDT and modelling). The Quiz is designed to determine a student's ability to research complex topics and their comprehension of the subject matter.

The students need to search through the many standards, manuals and academic papers that have been supplied to source scholarly information that supports the desired research objective. Individual research from other sources is permitted. The criteria for success is that the student response provides a logical, concise and articulate representation of the idea or argument required by the question. A quality response will be in the students own words (vice a direct quote) and elicit additional knowledge of the underpinning science or demonstration of evidence that supports the answer, as well as a citation of the source.

Assessment information

this quiz will have a closing date and should be completed prior to that closing date and time.

Assignment submission Turnitin type

Not Applicable

General Assessment Information

Familiarity with the course reading material will assist the completion of all assessments.

Quizes 1 and 2 will receive feedback within the week of completion.

Assignment and Quiz 3 will receive feedback in the final week.

Grading Basis

Standard

Requirements to pass course

The overall passing mark is set at 50% by the University. Completion of the assignment, as well

as sufficient online quizzes to reach a passing grade.

Late Submission of Assessment

- Unless prior arrangement is made with the lecturer or a formal application for special consideration is submitted, a penalty of 5% of the total available mark for the assessment will apply for each day that an assessment item is late up to a maximum of 5 days (120 hours) after which an assessment can no longer be submitted and a grade of 0 will be applied.

Use of Generative AI in Assessments

- *For this assessment task, you may use standard editing and referencing software, but not Generative AI. You are permitted to use the full capabilities of the standard software to answer the question (e.g. you may wish to specify particular software such as Microsoft Office suite, Grammarly, etc.).*

  If the use of generative AI such as ChatGPT is detected, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 26 February - 1 March	Lecture	CLO1: Describe the available energetic materials test standards: • MSIAC • UN Orange book, UN Recommendations on the Transport of Dangerous Goods, Model Regulations and Manual of Tests • NATO STANAGs • AOPs • MIL-STDs
Week 2 : 4 March - 8 March	Lecture	CLO2: Discuss the physics of deflagration-to-detonation and shock-to-detonation mechanisms: • Deflagration • Deflagration-to-detonation • Shock • Shock-to-detonation
Week 3 : 11 March - 15 March	Lecture	CLO3: Describe the various computational techniques and material models that can be used to evaluate energetic systems: Predictive Algorithms Gurney Equation Using Modelling and Simulation
Week 4 : 18 March - 22 March	Lecture	CLO3: Describe the various computational techniques and material models that can be used to evaluate energetic systems: Predictive Algorithms Gurney Equation Using Modelling and Simulation
	Assessment	Online quiz 1
Week 5 : 25 March - 29 March	Lecture	Good Friday is 29th of March CLO3: Describe the various computational techniques and material models that can be used to evaluate energetic systems: Predictive Algorithms Gurney Equation Using Modelling and Simulation
Week 6 : 1 April - 5 April	Lecture	Easter Monday is the 1st of April CLO4: Apply experimental methodology, testing techniques and procedures used to evaluate energetic material safety: • Small-Scale (Powder) Tests • Impact sensitivity • Friction Sensitivity • Electrostatic Discharge Sensitivity • Thermal Stability • Charge-scale tests • Velocity of Detonation • Critical Diameter • Explosiveness • Weapon-scale and system-scale tests • Environmental testing • IM testing • Environmental compliance • Requirements and test planning • Alternative Testing methodologies • Statistics • Data collection • Data analysis • Data presentation • Data retention
Week 7 : 22 April - 26 April	Lecture	ANZAC day is the 25th of April
Week 8 : 29 April - 3 May	Lecture	CLO4: Apply experimental methodology, testing techniques and procedures used to evaluate energetic material safety: • Small-Scale (Powder) Tests • Impact sensitivity • Friction Sensitivity • Electrostatic Discharge Sensitivity • Thermal Stability • Charge-scale tests • Velocity of Detonation • Critical Diameter

		• Explosiveness • Weapon-scale and system-scale tests • Environmental testing • IM testing • Environmental compliance • Requirements and test planning • Alternative Testing methodologies • Statistics • Data collection • Data analysis • Data presentation • Data retention
Week 9 : 6 May - 10 May	Lecture	CLO4: Apply experimental methodology, testing techniques and procedures used to evaluate energetic material safety: • Small-Scale (Powder) Tests • Impact sensitivity • Friction Sensitivity • Electrostatic Discharge Sensitivity • Thermal Stability • Charge-scale tests • Velocity of Detonation • Critical Diameter • Explosiveness • Weapon-scale and system-scale tests • Environmental testing • IM testing • Environmental compliance • Requirements and test planning • Alternative Testing methodologies • Statistics • Data collection • Data analysis • Data presentation • Data retention
	Assessment	Online quiz 2
Week 10 : 13 May - 17 May	Lecture	CLO4: Apply experimental methodology, testing techniques and procedures used to evaluate energetic material safety: • Small-Scale (Powder) Tests • Impact sensitivity • Friction Sensitivity • Electrostatic Discharge Sensitivity • Thermal Stability • Charge-scale tests • Velocity of Detonation • Critical Diameter • Explosiveness • Weapon-scale and system-scale tests • Environmental testing • IM testing • Environmental compliance • Requirements and test planning • Alternative Testing methodologies • Statistics • Data collection • Data analysis • Data presentation • Data retention
Week 11 : 20 May - 24 May	Lecture	CLO5: Critically evaluate ageing and life assessment of weapons and other systems containing energetic materials: • EO Ageing • Arrhenius Equation • Propellant ageing • Case Study - Nitrocellulose • Stabiliser/stability testing • Compatibility testing
Week 12 : 27 May - 31 May	Lecture	CLO5: Critically evaluate ageing and life assessment of weapons and other systems containing energetic materials: • EO Ageing • Arrhenius Equation • Propellant ageing • Case Study - Nitrocellulose • Stabiliser/stability testing • Compatibility testing
	Assessment	Capstone assignment
Week 13 : 3 June - 7 June	Lecture	CLO6: Critically evaluate different surveillance techniques for explosives and EO:

		• In-Service Surveillance • Surveillance definitions and concepts • Considerations for ISS • Surveillance methodologies
	Assessment	Online quiz 3

Attendance Requirements

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

General Schedule Information

Progress through the material at your own pace, noting that the faster you go the more likely it will be that you will be slowed down by the delivery schedule itself.

Course Resources

Prescribed Resources

Moodle

Recommended Resources

Reading

- Akhavan, J: The Chemistry of Explosives, 3rd Ed, RSC Publishing (2011), ISBN: 9781849733304
- Klapötke, TM: Chemistry of High-Energy Materials, 6th Ed, De Gruyter (2022), ISBN: 9783110739497
- Sućeska, M: Test Methods for Explosives (1995), ISBN: 9781461269045
- Cooper, PW: Explosives Engineering (1996), ISBN: 9780471186366
- Meyer, R, Köhler, J, Homburg, A: Explosives, 6th Ed (2007), ISBN: 9783527316564
- Brinck, T: Green Energetic Materials, 1st Ed, Wiley (2014), ISBN: 9781119941293
- UN Recommendations on the Transport of Dangerous Goods, Model Regulations – 22nd Revised Edition (Vol. I & II), ISBN: 9789211391886
- MSIAC Reports (various)
- STANAGs / AOPs / MIL-STDs (various)
- JSP333, Service Textbook of Explosives, UK MoD
- Technical Manual 9-1300-214, Military Explosives, US Army
- Manual of Tests, Energetic Materials Testing and Assessment Policy Committee, DOSG, UK, 2007

Additional Costs

Not Anticipated.

Course Evaluation and Development

The Moodle Page will contain a feedback area where students are able to make comments and suggestions in relation to the course.

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
Head lecturer	Nicholas Kanizaj		ADFA	email	Monday - Friday	No	No
Lecturer	Garry Warrender		Remote	+61 2 5114 5252	Weekends	No	Yes

Other Useful Information

Academic Information

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 each 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 (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.