UNIVERSITY OF WOLLONGONG AUSTRALIA

SCIT

School of Computing and Information Technology

Faculty of Engineering & Information Sciences

Head of School Senior Professor Willy Susilo

EIS Central

Tel: (02) 4221 3491

CSCI251 Advanced Programming

Subject Outline

Autumn Session 2020

Consultation Times

Subject Coordinator / Wollongong Campus	Dr Luke McAven
Telephone Number:	4221 4879
Email:	lukemc@uow.edu.au
Location:	3.109

Dr. McAven's consultation times during session:

Day	Time
Tuesday	11:30 - 13:30
Friday	12:30 - 14:30

Subject Coordinator / SWS Campus	Dr Ian Piper
Telephone Number:	4221 3157
Email:	ian@uow.edu.au
Location: SWS	L2.08

Dr. Piper's consultation times during session:

Day	Time
Monday	13:30 - 14:30

Subject Organisation

Session:	Autumn 2020, Wollongong and SWS Campus
Credit Points	6
Contact hours per week:	2 hrs Lecture & 2 hrs computer lab per week
Lecture Times & Location:	http://www.uow.edu.au/student/timetables/index.html

Subject eLearning

The University uses the eLearning system Moodle to support all coursework subjects.

To access eLearning you must have a UOW user account name and password, and be enrolled in the subject. eLearning is accessed via SOLS (Student Online Service). Log on to SOLS and then click on the eLearning link in the menu column.

You can find guidelines to technology and software used for teaching at
https://www.uow.edu.au/student/learning-co-op/technology-and-software/

Students should check the subject's Moodle site regularly as important information, including **details of unavoidable changes in assessment requirements will be posted from time to time via Moodle space** http://www.uow.edu.au/student/. Any information posted to the web site is deemed to have been notified to all students.

Extraordinary Changes to the Subject Outline

In extraordinary circumstances the provisions stipulated in this Subject Outline may require amendment after the Subject Outline has been distributed. All students enrolled in the subject must be notified and have the opportunity to provide feedback in relation to the proposed amendment, prior to the amendment being finalised.

Learning Analytics

Data on student performance and engagement (such as Moodle and University Library usage, task marks, use of SOLS) will be available to the Subject Coordinator to assist in analysing student engagement, and to identify and recommend support to students who may be at risk of failure. If you have questions about the kinds of data the University uses, how we collect it, and how we protect your privacy in the use of this data, please refer to *https://www.uow.edu.au/about/privacy/index.html*

Subject Description

The subject develops a thorough understanding of programming features, which are implemented in the C++ programming language. It comprises of four main components, namely procedural-based, object-based, object-oriented

and generic programming. The subject addresses topics including memory management issues and dynamic memory allocation; classes; STL sequential and associative containers; operator overloading; advanced features in object-oriented programming; C++ RTTI; templates and exception handling; the latest C++ features (e.g. C++11 and C++14 standards).

Subject Learning Outcomes

On successful completion of this subject, students will be able to:
1. Design and implement solutions to problems with the C++ programming language.
2. Design and implement procedural-based programming to solve problems.
3. Design and implement objects providing encapsulation, inheritance and polymorphism.
4. Design solutions to problems through the use of generic programming.
5. Design object-oriented solutions to problems.
6. Incorporate advanced features in C++ to achieve efficient implementations.

Recent Improvements

Subject Changes and Response to Student Feedback

The School is committed to continual improvement in teaching and learning and takes into consideration student feedback from many sources. These sources include direct student feedback to casual academics and lecturers, feedback through Student Services and the Faculty Central, and responses to the Subject Evaluation Surveys. This information is also used to inform comprehensive reviews of subjects and courses.

The weekly one hour lecture/tutorial introduced on a trial basis in Spring 2019 will be continued.

Partial marking guides for assignments will be released soon after releasing the assignments themselves.

We will continue with the optional revision quizzes, one prior to each of the main withdrawal deadlines. The first two give students an opportunity to assess their progress and make an informed decision about whether to continue in the subject.

A third quiz at the end of the subject will likely be added.

We will likely set up submission points for lab work as a way to monitor progress if needed. Lab work is now considered mandatory.

Banshee has been removed, a different environment will be used.

Some additional C++17 will probably be added.

Attendance Requirements

Student Workload

Students should note that UOW policy equates 1 credit point with 2 hours of study per week, including lectures and workshops/practicals, self-directed study and work no assessment tasks. For example, in a 6 credit point subject, a total of 12 hours of study per week is expected.

Minimum Attendance Requirements

Satisfactory attendance is deemed by the University, to be attendance at approximately 80% of the allocated contact hours.

Optional Attendence Statement

Attendance and participation rolls will be kept for laboratory classes and students should attend their allocated laboratory class unless they have permission from the subject coordinator. Failure to receive 8 or more from the labs may result in a technical fail (TF) being awarded.

Method of Presentation

- To maximize learning outcomes, it is recommended students attend all lectures and laboratory classes.
- Lecture material and assignments will be available on the Moodle site. Lab work will probably be on Moodle too.
- Laboratory classes commence in week 2.
- There will probably be some initial help sessions, in Wollongong anyway, in Week 1 and Week 2 and independent of those two labs. These are optional and are mostly targeted at those in their first session at UOW.

Lecture Schedule

This is a guide to the weekly lecture topics however the delivery date of these topics may on occasion vary due to unforeseen circumstances, such as the availability of a guest lecturer or access to other resources. The order is probably roughly correct but the amount of time spent on some topics may vary.

Week Beginning (Monday)	Lecture Topics	Workshop/Laboratory	Readings/ Other Subject Information	Task Due
Week 1 (2 March)	Subject Admin Introduction, Subject Content Introduction, C++ Foundations I: Introduction to Programming, C++ Foundations II: Getting Started and Procedural Programming	No standard labotatory this week. There will probably be some help sessions in Wollongong.		
Week 2 (9 March)	C++ Foundations II: Getting Started and Procedural Programming, C++ Foundations III: Getting Started and Procedural Programming: Pointers, classical arrays, and ..., C++ Foundations IV: Control structures, loops, and various other topics.	Laboratory.		
Week 3 (16 March)	C++ Foundations IV: Control structures, loops, and various other topics, C++ Foundations V: Handling files, Getting Organised I: Pre-processing, macros, and Makefiles, Getting Organised I: Pre-processing, macros, and Makefiles.	Laboratory.		
Week 4 (23 March)	Getting Organised II: Pre-processing, macros, and Makefiles, Getting Organised III: Exceptions (Part 1), namespaces, and defensive programming, Getting Organised IV: Debugging and profiling	Laboratory.		
Week 5 (30 March)	Getting Organised V: A little bit of Time, Programming with Class I: Fundamental synax and some introductory UML	Laboratory.		A1 due
Week 6 (6 April)	Programming with Class II: Constructors, Destructors, ..., Programming with Class III: Class/object relations, Programming with Class IV: class/class relationships.	Laboratory.		
13 April - 17 April - Mid Session Recess				

Week 7 (20 April)	Programming with Class V: Overloading operators and making friends..., Programming with Class VI: Polymorphism, multiple inheritance.	Laboratory.		A2 part A due
Week 8 (27 April)	Runtime type identification and casting, A bit of a detour (design patterns, exception handling),	Laboratory.		
Week 9 (4 May)	Creating libraries, moving	Laboratory.		
Week 10 (11 May)	Generic Programming I: Function templates and compile time functionality.	Laboratory.		A2 part B due
Week 11 (18 May)	Generic Programming II: Class templating, Generic Programming III: Containers and iterators	Laboratory.		
Week 12 (25 May)	Generic Programming IV: The Standard Template Library (STL), Miscellenous Topics (RAII, smart pointers, ...)	Laboratory.		
Week 13 (1 June)	Revision/exam notes.	Laboratory.		A3 due
STUDY RECESS - 8 - 12 JUNE				
EXAMS - 13 TO 25 JUNE **CHECK SOLS FOR EXAM TIMETABLE**				

UOW Grade Descriptors

GRADE	DESCRIPTOR
High Distinction(HD) 85-100%	For performance that provides evidence of an outstanding level of attainment of the relevant subject learning outcomes, demonstrating the attributes of a distinction grade plus (as applicable) one or more of the following: • consistent evidence of deep and critical understanding • substantial originality and insight in identifying, generating and communicating competing arguments, perspectives or problem-solving approaches • critical evaluation of problems, their solutions and their implications • use of quantitative analysis of data as the basis for deep and thoughtful judgments, drawing insightful, carefully qualified conclusions from this work • creativity in application as appropriate to the discipline • eloquent and sophisticated communication of information and ideas in terms of the conventions of the discipline

	• consistent application of appropriate skills, techniques and methods with outstanding levels of precision and accuracy • all or almost all answers correct, very few or none incorrect
Distinction (D) 75-84%	For performance that provides evidence of a superior level of attainment of the relevant subject learning outcomes, demonstrating the attributes of a credit grade plus (as applicable) one or more of the following: • evidence of integration and evaluation of critical ideas, principles, concepts and/or theories • distinctive insight and ability in applying relevant skills, techniques, methods and/or concepts • demonstration of frequent originality in defining and analysing issues or problems and providing solutions • fluent and thorough communication of information and ideas in terms of the conventions of the discipline • frequent application of appropriate skills, techniques and methods with superior levels of precision and accuracy • most answers correct, few incorrect
Credit (C) 65-74%	For performance that provides evidence of a high level of attainment of the relevant subject learning outcomes, demonstrating the attributes of a pass grade plus (as applicable) one or more of the following: • evidence of learning that goes beyond replication of content knowledge or skills • demonstration of solid understanding of fundamental concepts in the field of study • demonstration of the ability to apply these concepts in a variety of contexts • use of convincing arguments with appropriate coherent and logical reasoning • clear communication of information and ideas in terms of the conventions of the discipline • regular application of appropriate skills, techniques and methods with high levels of precision and accuracy • many answers correct, some incorrect
Pass (P) 50-64%	For performance that provides evidence of a satisfactory level attainment of the relevant subject learning outcomes, demonstrating (as applicable) one or more of the following: • knowledge, understanding and application of fundamental concepts of the field of study • use of routine arguments with acceptable reasoning • adequate communication of information and ideas in terms of the conventions of the discipline • ability to apply appropriate skills, techniques and methods with satisfactory levels of precision and accuracy • a combination of correct and incorrect answers
Fail (F) <50%	For performance that does not provide sufficient evidence of attainment of the relevant subject learning outcomes.
Technical Fail (TF)	When minimum performance level requirements for at least one assessment item in the subject as a whole has not been met despite the student achieving at least a satisfactory level of attainment of the subject learning outcomes.

The UOW Grade Descriptors are general statements that communicate what our grades represent, in terms of standards of performance, and provide a frame of reference to ensure that assessment practice across the University is appropriate, consistent and fair. Grade Descriptors are expressed in general terms so that they are applicable to a broad range of disciplines.

Subject Materials

ELearning, Readings, References and Materials

Lecture notes and other reading/reference material will be available on the subject's website via Moodle: http://www.uow.edu.au/student/ .

Any readings/references are recommended only and are not intended to be an exhaustive list. Students are encouraged to use the library catalogue and databases to locate additional readings.

Textbook(s)

The optional textbook is:

1. Lippman, Stanley B.; Lajoie, Josée; Moo, Barbara E.; C++ Primer (5th Edition), 2012.

The following are suggested reading. Most are in the library. The books below are pre-C++11 so won't also accurately reflect the appropriate usage of constructs.

1. Joyce Farrell, Object Oriented Programming Using C++, 3rd/4th Edition, Thomson Learning.
2. Gaddis, Tony, Starting out with C++: From Control Structures through Objects, 7th/8th Edition, Addison-Wesley
3. Malik, D.S., C++ Programming: Program Design including Data Structures, 7th Edition Thomson Learning.
4. Friedman, Frank L. & Koffman, Elliot B. Problem Solving, Abstraction and Design Using C++, 6th edition, Addison-Wesley
5. Savitch, Walter, Absolute C++, Addison-Wesley, 2002
6. Main, Michael & Savitch, Walter, Data Structures and Other Objects using C++, New Edition, Addison-Wesley
7. Hubbard, John R., Data Structures with C++, Schaum's Outlines, McGraw-Hill
8. Bjarne Stroustrup, The C++ Programming Language, 3rd edition, 2000, Addison-Wesley
9. Arthur O'Dwyer, Mastering the C++17 STL, 2017, Packt Publishing.
10. Scott Meyers, Effective Modern C++, 2014, O'Reillys.

Assessment

Assessment Task Summary

No.	Assessment Name	Assessment Weight	Mapping to Subject Learning Outcome
1	Assignment One	10%	SLO1, SLO2, SLO6
2	Assignment Two - Part A : Planning diagram	0.5%	SLO3, SLO5
3	Assignment Two - Part B	9.5%	SLO1, SLO3, SLO5, SLO6
4	Assignment Three	10%	SLO1, SLO2, SLO3, SLO4, SLO5, SLO6
5	Laboratory Exercises	10%	SLO1, SLO2, SLO3, SLO4, SLO5, SLO6

6	Examination	60%	SLO1, SLO2, SLO3, SLO4, SLO5, SLO6

Assessment 1			
Assessment Name	Assignment One.		
Weighting	10%		
Subject Learning Outcomes Assessed	SLO1, SLO2, SLO6	**Individual or Group Assessment**	Individual
Due Date	Approximately Week 5.		
Assessment Description and Criteria	Primarily procedural programming. Criteria: Code quality, compliance with assessment requirements, and use of appropriate code resources and concepts. Appropriate documentation.		
Length / Duration			
Method of Submission	Via Moodle.		
Return of assessed work	We aim to return work within two weeks of the assignment deadline. Feedback will be given via Moodle.		

Assessment 2			
Assessment Name	Assignment 2 - Part A: Planning diagram.		
Weighting	0.5%		
Subject	SLO3, SLO5	**Individual**	Individual

Learning Outcomes Assessed		**or Group Assessment**	
Due Date	Approximately week 7.		
Assessment Description and Criteria	Planning diagram. Criteria: Appropriate UML-like representation of the classes and class relationships planned to be implemented for the second assignment. The mark is given for appropriate depth of thought being demonstrated, not primarily correctness.		
Length / Duration	One page of diagram.		
Method of Submission	Via Moodle.		
Return of assessed work	We aim to return work within about one week of the assignment deadline. Early submissions may be returned earlier. Feedback will be given via Moodle.		

Assessment 3			
Assessment Name	Assignment Two - Part B.		
Weighting	9.5%		
Subject Learning Outcomes Assessed	SLO1, SLO3, SLO5, SLO6	**Individual or Group Assessment**	Individual
Due Date	Approximately week 10.		
Assessment Description and Criteria	Primarily object oriented programming. Criteria: Code quality, compliance with assessment requirements, and use of appropriate code resources and concepts. Appropriate documentation.		

Length / Duration	
Method of Submission	Via Moodle.
Return of assessed work	We aim to return work within two weeks of the assignment deadline. Feedback will be given via Moodle.

Assessment			
Assessment Name	Assignment Three.		
Weighting	10%		
Subject Learning Outcomes Assessed	SLO1, SLO2, SLO3, SLO4, SLO5, SLO6	**Individual or Group Assessment**	Individual
Due Date	Approximately week 13.		
Assessment Description and Criteria	Primarily generic programming. Criteria: Code quality, compliance with assessment requirements, and use of appropriate code resources and concepts. Appropriate documentation.		
Length / Duration			
Method of Submission	Via Moodle.		
Return of assessed work	We aim to return work within two weeks of the assignment deadline. Feedback will be given via Moodle.		

Assessment	
Assessment Name	Laboratory Exercises

Weighting	10%		
Subject Learning Outcomes Assessed	SLO1, SLO2, SLO3, SLO4, SLO5, SLO6	**Individual or Group Assessment**	Individual, some group based exercises.
Due Date	Each week from week 2 until week 13, inclusive.		
Assessment Description and Criteria	Demonstrated progress through laboratory material. Good marks in the laboratory exercises do not necessarily indicate a good grasp of the subject material, more a minimal involvement with the subject.		
Length / Duration			
Method of Submission	Mark given in lab. Submission via Moodle will likely be added.		
Return of assessed work	Mark given in the the lab.		

Assessment			
Assessment Name	Examination		
Weighting	60%		
Subject Learning Outcomes Assessed	SLO1, SLO2, SLO3, SLO4, SLO5, SLO6	**Individual or Group Assessment**	Individual
Due Date	Exam period		
Assessment Description and Criteria	Demonstrated knowledge and understanding of the subject material.		
Length / Duration	3 hours		

Method of Submission	
Return of assessed work	

Notes on Assessment

- There will be 3 programming assignments, assignment 2 has an early design diagram submission.
- All assignments are expected to be completed independently. Plagiarism will probably result in a FAIL grade being recorded for that assignment or exercise.
- Assignments must compile in accordance with instructions. Instructions on compilation will be provided in class and in assignment specifications.
- All assignments must be submitted electronically via Moodle unless otherwise stated on the assignment specifications.
- It is each student's responsibility to keep a backup of his/her work. Extensions will typically not be granted due to any circumstance related to the failure of students' own equipment.
- Programs which do not compile due to syntax errors will receive no marks, but may still be commented upon. Proper operation, documentation and program style are needed to receive full marks for assignments.

Method for Submission of Assessment Items

Via Moodle.

Arrangement for acknowledging submission of written work

Moodle.

Procedure for the return of assessment items

Feedback will be provided through Moodle.

Procedure for the retention of assessed work

The University may retain copies of student work in order to facilitate quality assurance of assessment processes, in support of the continuous improvement of assessment design, assessment marking and for the review of the subject. The University retains records of students' academic work in accordance with the University Records Management Policy and the State Records Act 1988 and uses these records in accordance with the University Privacy Policy and the Privacy and Personal Information Protection Act 1998.

Formative feedback given to student prior census date consists of the following

Feedback on laboratory progress will be available weekly from W2. It should be taken that if you are struggling with the laboratory work you are struggling with the subject.

There will be two optional revision quizzes made available during session, one prior to each of the main withdrawal deadlines. This give students an opportunity to assess their progress and make an informed decision about whether to continue in the subject. There may be an additional revision quiz later in session.

Student contributions to tutorial and/or seminars

Not Applicable.

Marks in this subject are not routinely scaled

Marks awarded for any assessment task (including examinations) may be subject to scaling at the end of the session by the School Assessment Committee (SAC) and/or the Faculty Assessment Committee (FAC). Marks may be scaled in accordance with University policy. Scaling will not affect any individual student's rank order within their cohort. For more information refer to Standards for Finalisation of Student
Results: http://www.uow.edu.au/about/policy/UOW039331.html

Assessment task is set up to be checked by Turnitin

- This subject does not use Turnitin.

Assessment Quality Cycle

The University of Wollongong is committed to the quality assurance and quality enhancement of assessment. The University will meet its legislative and regulatory obligations, to ensure consistent and appropriate assessment through course management and coordination, including assessment quality assurance procedures. An Assessment Quality Cycle is used to describe quality assurance at the points of assessment design, assessment delivery, the declaration of marks and grades, and review and improvement activities.

Referencing System

See below.

Internet Resources

Internet resources may be used to identify the appropriate use of C++ constructs. Sources should be appropriately identified within the code.

Technical Fail

Minimum Performance Requirements

To be eligible for a Pass in this subject a student must achieve a mark of at least 40% (24/60) in the final exam, and a mark of at least 80% (8/10) in the laboratories.

Students who do not meet the minimum performance requirements, as specified for each assessment, may receive a TF (Technical Fail) grade for this subject, which will appear on your Academic Transcript.

Supplementary Exams

1. A student whose overall performance results in a TF will only be granted a supplementary assessment task (e.g. a supplementary exam or a supplementary assignment) if approved by the school assessment committee.
2. A student who achieves a mark of 48-49% will normally be eligible for a grade of WS and a supplementary exam organised by the University. In this case, the maximum grade attainable is PS (Pass Supplementary) and a mark of 50%.
3. A student who has successfully applied for academic consideration will receive either:
    a. A WD - Withheld Deferred Exam - and be allowed to sit only a supplementary exam, which will be supervised by the University or

b. A WH – Withheld – and be allowed to sit a supplementary exam not supervised by the University or complete some other supplementary task

4. If a student is being investigated for misconduct and the investigation cannot be completed before the grades are released the student will receive a grade of WH until a mark is declared.
5. Calculators will not be allowed in the final exam.

Penalties for late submission of assessment items

Assessed work must be handed in by the date and time given.

- Penalties apply to all late assessments, except if student academic consideration has been granted. A new submission date may be given if Student Academic Consideration has been granted, however the late penalties below apply if not received by the new date.
- Late assignment submissions will attract a penalty of 25% of the total assessment mark for that task per day or part thereof, including weekends.
- Submissions received 4 or more days after the due date will receive no marks.
- If an assessment is submitted late, it will be marked in the normal way, and a penalty will then be applied.·
- Submissions received 15 days after the due date will receive no feedback. However, lecturers may choose to provide feedback at their discretion.

For example: A report is worth 20% of the total mark for the subject, and is marked out of 100. A student submits the report 3 days late (the assessment is due Friday, but the student submits the report on Monday after the submission date). Late submissions are penalised 25% each day late. As a result of the late submission the student will be penalised by 75% of the mark that the student received for that assessment. The report was marked as 60/100. Applying the penalty will finalise the mark at 15/100.

Extensions

Extensions of time to submit material for assessment can only be requested in advance of the due date for an assessment activity through the Academic Consideration process on SOLS. For more information please refer to the Student Academic Consideration Policy at: http://www.uow.edu.au/about/policy/UOW058721.html

Reasonable Adjustment

If you have a disability or a medical condition which may disadvantage you in your assessment tasks, you can apply to have the conditions of your exams adjusted to take your disability or condition into account. In particular students cannot assume that a reasonable adjustment document automatically gives a right to a deferred or supplementary exam. Students with a disability may be entitled to reasonable adjustment to assessment. A reasonable adjustment document obtained through Disability Services is a recommendation that needs to be discussed and ratified by subject coordinators. Normal subject assessment requirements can only be adjusted with the explicit written permission of the subject coordinator.

Workshop/Lab Closure Policy

If for any reason, the number of students in a workshop or lab falls below a sustainable enrolment level, as determined by the Head of School, workshops/labs offered for that subject may be collapsed or deleted.
You will have to attend the new workshops/lab if this closure affects the one you are attending.
We will endeavour to make this decision no later than Week 4 of session.

Exams

Exams will be run in accordance with UOW Exam rules, please refer to changes to exams and grades at:
http://www.uow.edu.au/student/exams/UOW115867.html

Supplementary Assessment

In most circumstances the School does not offer a supplementary & deferred exam to a student who has sat a scheduled exam.

Supplementary & Deferred Exams will be dealt with in accordance with student academic consideration policy (http://www.uow.edu.au/about/policy/UOW060110.html) 9.2 Timing of Supplementary Exams.

Supplementary assessment may be offered to students whose performance in this subject is close to that required to pass the subject, and are otherwise identified as meriting an offer of a supplementary assessment. The Subject Coordinator will determine the precise form of supplementary assessment at the time the offer of a supplementary is made. In some circumstances you may be offered a supplementary exam. For more information about Supplementary Exams refer to:
http://www.uow.edu.au/student/exams/aboutsupp/index.html

Student Academic Consideration Policy

The School recognises that it has a responsibility to ensure equity and consistency across its subjects for all students. Sometimes, in exceptional circumstances, students need to apply for student academic consideration in order to complete all assessable work.

If you believe that your submission of, performance in or attendance at an assessment activity, including an examination, has been affected on compassionate grounds, by illness or by other serious extenuating circumstances beyond your control, you can apply for academic consideration in Student OnLine Services (SOLS). Do not assume that an application for academic consideration will be automatically granted. For more information please refer to the Student Academic Consideration Policy at: http://www.uow.edu.au/about/policy/UOW058721.html

In some circumstances you may be offered a deferred exam. For more information about Deferred and Supplementary Exams refer to: http://www.uow.edu.au/student/exams/aboutsupp/index.html

Academic Integrity Policy

The University's policy on acknowledgement practice and plagiarism provides detailed information about how to acknowledge the work of others: http://www.uow.edu.au/about/policy/UOW058648.html

The University's Academic Integrity Policy, Faculty Handbooks and subject guides clearly set out the University's expectation that students submit only their own original work for assessment and avoid plagiarising the work of others or cheating. Re-using any of your own work (either in part or in full) which you have submitted previously for assessment is

not permitted without appropriate acknowledgement or without the explicit permission of the Subject Coordinator. Plagiarism can be detected and has led to students being expelled from the University.

The use by students of any website that provides access to essays or other assessment items (sometimes marketed as 'resources'), is extremely unwise. Students who provide an assessment item (or provide access to an assessment item) to others, either directly or indirectly (for example by uploading an assessment item to a website) are considered by the University to be intentionally or recklessly helping other students to cheat. Uploading an assessment task, subject outline or other course materials without express permission of the university is considered academic misconduct and students place themselves at risk of being expelled from the University.

When you submit an assessment task, you are declaring the following

1. It is your own work and you did not collaborate with or copy from others.
2. You have read and understand your responsibilities under the University of Wollongong's Academic Integrity Policy on plagiarism.
3. You have not plagiarised from published work (including the internet). Where you have used the work from others, you have referenced it in the text and provided a reference list at the end to the assignment.

Students must remember that:

- Plagiarism will not be tolerated.
- Students are responsible for submitting original work for assessment, without plagiarising or cheating, abiding by the University's Academic Integrity Policy as set out in the University Handbook, the University's online Policy Directory and in Faculty handbooks and subject guides.

Student Academic Complaints Policy (Coursework or Higher Degree Research)

In accordance with the Coursework Student Academic Complaints Policy, a student may request an explanation of a mark for an assessment task or a final grade for a subject consistent with the student's right to appropriate and useful feedback on their performance in an assessment task. Refer to the Coursework Student Academic Complaints Policy for further information http://www.uow.edu.au/about/policy/UOW058653.html

Any student who has a complaint over a result should obtain a Faculty of Engineering and Information Sciences Coursework Student Academic Review/Complaint form (http://www.uow.edu.au/student/complaints/UOW008298.html) from the EIS Central. The student should firstly take the form to the marker/lecturer to discuss the matter and, if the student is still not satisfied, s/he should take the next step as outlined on the form.

Once the complaint has been considered by the Faculty, if the student still feels the situation has not been fully resolved s/he may refer the matter to the Student Ombudsman.

Relevant University Policies, procedures and students services

The University of Wollongong has a number of policies and guidelines that govern student and course management that students need to be aware of, a summary of these is available at https://www.uow.edu.au/engineering-information-sciences/current-students/ and click 'Subject Outline Policies and Guidelines'

Library Services

To save yourself time and enhance your studies: connect with information specialists and resources anytime, anywhere via Ask Us: http://www.library.uow.edu.au/ask/UOW026599.html or *Google* "UOW library ask us"

Online – Ask a Librarian	Ask questions and receive a response within 1 business day
In person – Book a Librarian	30-minute appointment with an Librarian
Research Consultation Service	1 hour appointment with an information specialist. Available to UOW academics, HDRs, Postgraduate Coursework, Honours and Masters students.
By phone	+61 2 4221 3548

The Main Library (Building 16) and Education Curriculum Resources Centre (Building 22) are located at the Wollongong Campus. UOW Libraries at other locations are listed on the Library website.

This outline should be read in conjunction with the following:

Teaching and Assessment: Code of Practice - Teaching

This Code is a key document in implementing the University's Teaching and Assessment Policy and sets out the specific responsibilities of parties affected in relation to learning, teaching and assessment, as well as procedures for teaching staff. The Code can be found at: http://www.uow.edu.au/about/policy/UOW058666.html

Teaching and Assessment: Assessment and Feedback Policy

The purpose of this Policy is to set out the University of Wollongong's approach to effective learning, teaching and assessment, including the principles and minimum standards underlying teaching and assessment practice. The Policy can be found at: http://www.uow.edu.au/about/policy/alphalisting/UOW222905.html

Teaching and Assessment: Subject Delivery Policy

This Policy sets out specific requirements in relation to the delivery of Subjects. The policy can be found at: http://www.uow.edu.au/about/policy/alphalisting/UOW222906.html

Key Dates: http://www.uow.edu.au/student/dates/index.html

Course Progress Policy

The Course Progress Policy establishes the requirements, definitions and procedures to be used in determining the standards of acceptable course progress; the definitions of the roles and responsibilities of UOW staff and students with regard to course progress; and the descriptions of the resources and choices available to assist students at risk of not achieving course progress standards. The Policy can be found at: http://www.uow.edu.au/about/policy/UOW058679.html

Coursework Student Academic Complaints Policy

UOW aims to provide a transparent and consistent process for resolving student academic grievances. Further information is available at: http://www.uow.edu.au/about/policy/UOW058653.html

Workplace Health & Safety Policy

The Workplace Health and Safety (WHS) unit at UOW aims to provide structures, system and support to ensure the health, safety and welfare of all at the campus. Further information is available from: http://staff.uow.edu.au/ohs/

Human Research Ethics Guidelines

The Human Research Ethics Committee protects the welfare and rights of the participants in research activities. Further information can be found here: http://www.uow.edu.au/research/ethics/human/index.html

Faculty of Engineering & Information Sciences - Student Central

EIS Student Central is your first point of contact for a wide range of enquiries;

Location: Building 4.G14

Telephone: +61 2 4221 3491

Email: eis@uow.edu.au

Student Support Adviser (SSA)

If you have a temporary or ongoing issue or a problem that is affecting your study, including issues that are related to belonging to an equity group, then the Student Support Advisers may be able to help. There are Student Support Advisers available to assist students who are studying at all UOW Campuses and in all UOW Faculties. Contact details can be found on the UOW website: https://www.uow.edu.au/student/services/SSA/contact

Information Technology Services and Policies: http://www.uow.edu.au/its/accounts/index.html

Academic Integrity and Plagiarism Policy

The University's policy on acknowledgement practice and plagiarism provides detailed information about how to acknowledge the work of others: http://www.uow.edu.au/about/policy/UOW058648.html

Student Academic Consideration Policy

The purpose of the Student Academic Consideration Policy is to enable student requests for academic consideration for specific assessment tasks, examinations, academic progress or attendance requirements in a subject relevant to their course to be evaluated in a fair, reasonable, timely and consistent manner throughout the University. This Policy sets out clear and defined requirements allowing for transparency, ease of interpretation and implementation. Consistency in criteria, procedures, and outcomes in the processing of applications for academic consideration for all forms of assessment are requirements of this Policy. The Policy can be found at:
http://www.uow.edu.au/about/policy/UOW058721.html

Student Conduct Rules

In line with UOW's commitment to academic integrity, new rules related to student conduct have been in effect since 1 January 2008. Relevant information may be found at: http://www.uow.edu.au/about/policy/UOW058723.html

Code of Practice – Research

This Code mandates the current policy and best practice relating to procedures for responsible research. The Code can be found at: http://www.uow.edu.au/about/policy/UOW058663.html

The Code of Practice – Student Professional Experience

The Code of Practice – Student Professional Experience sets out what is expected from students, the University and Host Organisations in providing student professional experience programs. It applies to student professional experience programs that form the whole or part of a subject or course offered at the University. The code assists in promoting a productive learning experience for students. Current policies and practices relating to the workplace experience and other practical training requirements can be found at: http://www.uow.edu.au/about/policy/UOW058662.html

Code of Practice – Honours

This Code sets out the responsibilities of all parties involved in managing students undertaking Honours Programs. The Code can be found at: http://www.uow.edu.au/about/policy/UOW058661.html

IP Student Assignment of Intellectual Property Policy

This policy applies to all Students (under-graduate and post-graduate) of the University of Wollongong (UOW). It may also apply to other persons by agreement. This policy sets out the approach taken by UOW in relation to Student assignment of intellectual property. Further information about this policy can be found here: http://www.uow.edu.au/about/policy/UOW058690.html

Research Misconduct Policy: http://www.uow.edu.au/about/policy/UOW058715.html

Inclusive Language Guidelines

UOW endorses a policy of non-discriminatory language practice in all academic and administrative activities of the University. Further information is available from: http://www.uow.edu.au/about/policy/alphalisting/UOW140611.html

Ownership of Work & Intellectual Property Policy: https://documents.uow.edu.au/about/policy/uow058680.html

Complete Start Smart: https://www.uow.edu.au/student/get-started/how-uni-works/tools-for-success/start-smart/

Copyright Policy

The purpose of this Policy is to outline responsibilities and procedures regarding the use of third party copyright material, with the objectives of reducing staff and UOW exposure to the risks associated with the use of third party copyright material, assisting staff to make full legal use of the materials at their disposal by clearly identifying responsibilities and promoting copyright compliance. The Policy can be found at: http://www.uow.edu.au/about/policy/alphalisting/UOW026670.html

Subject Outlines: https://ssl.informatics.uow.edu.au/subjectoutlines/Current/