

EPINFO 150: Information and Communication Technology

Ourimbah

Semester 1 - 2024



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

The Pathways and Academic Learning Support Centre recognises and respects the unique history and culture of Aboriginal and Torres Strait Islander peoples and their unbroken relationship with the lands and the waters of Australia over millennia. We are dedicated to reconciliation and to offering opportunities for Aboriginal and Torres Strait Islander peoples to access and succeed in higher education. The Centre is committed to providing a culturally safe and inclusive environment for all.

OVERVIEW

Course Description	Information and Communication Technology is designed to develop computing knowledge and skills for university study and beyond. The course covers a range of digital literacies that will assist students entering any field of study. There is an emphasis on developing practical skills alongside theoretical knowledge.
Academic Progress Requirements	Nil
Contact Hours	Computer Lab Face to Face On Campus 2 hour(s) per week(s) for 11 week(s) starting Week 2 Lecture Face to Face On Campus 1 hour(s) per week(s) for 12 week(s) starting Week 1
Unit Weighting	10
Workload	Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10 unit course.

COURSE OUTLINE

CONTACTS

Course Coordinator	Ms Michele Hargrove Michele.Hargrove@newcastle.edu.au Consultation: Please email to schedule an appointment.		
Teaching Staff	Other teaching staff will be advised on the course Canvas site.		
School Office	<table><tr><td>Callaghan Ground Floor, General Purpose Building (GP) Ph: 02 4921 5558 enabling@newcastle.edu.au</td><td>Ourimbah HO 168, Humanities Building Ph: 02 4348 4076 enabling@newcastle.edu.au</td></tr></table>	Callaghan Ground Floor, General Purpose Building (GP) Ph: 02 4921 5558 enabling@newcastle.edu.au	Ourimbah HO 168, Humanities Building Ph: 02 4348 4076 enabling@newcastle.edu.au
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SYLLABUS

Course Content	<ul style="list-style-type: none">• Digital literacies: coverage of key computing concepts; exploration of teaching and learning tools that support tertiary study• Essentials of computer supported presentations and/or digital video production• Introduction to software development and computer programming• Introduction to widely used and/or emerging technologies in the computing industry• Foundations of professional practice and ethics in computing• Group work skills for tertiary and IT team contexts
Course Learning Outcomes	<p>On successful completion of this course, students will be able to:</p> <ol style="list-style-type: none">1. Describe the tertiary computing environment and use it proficiently.2. Recall, describe, explain, and apply a range of computer terminologies and concepts.3. Deliver professional computer supported presentations and/or produce digital videos.4. Apply computational thinking to real-world problems and draft solutions.5. Utilise a diverse range of software applications to meet study, communication, or business needs.6. Apply group work skills effectively in an IT context and evaluate group performance.
Course Materials	All course materials will be provided on the course Canvas site. Students are not required to purchase a textbook.

SCHEDULE

Week	Week Begins	Topic	Learning Activity	Assessment Due
1	26 Feb	Uni computing: Introduction	No Tutorial	
2	4 Mar	Business computing: Hardware	Uni computing: Exploring university software	
3	11 Mar	Business computing: Software & info systems	Business computing: Spreadsheets: Introduction	Quiz 1 due online: Sunday 17 th Mar 11:59pm
4	18 Mar	Business computing: Big data & professional practice	Business computing: Spreadsheets: Complex functions	
5	25 Mar	Project preparation: Research, presentations & digital video production	Business computing: Spreadsheets: Working with big data	Quiz 2 due online: Sunday 31 st Mar 11:59pm
6	1 Apr	Project preparation: Digital video production cont.	Project preparation: Software tools & groupwork	
7	8 Apr	Programming: Computational thinking	In class test (spreadsheets)	In class test: Week 7 tutorial Mid-Sem portfolio due online: Sunday 14 th April 11:59pm
Recess				
Recess				
8	29 Apr	Programming: Java	Programming: Computational thinking practical	
9	6 May	Programming: Python	Programming: Practical (Java)	
10	13 May	Tech trends: Artificial intelligence	Programming: Practical (Python)	
11	20 May	Tech trends: Extended reality	Project delivery	Quiz 3 due online: Sunday 26 th May 11:59pm Project: Week 11 tutorial
12	27 May	Conclusion	Tech trends: Play time	
13	3 Jun			End-Sem portfolio due online: Sunday 9 th June 11:59pm
Examination Period				
Examination Period				

ASSESSMENTS

This course has 4 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Online Quizzes	Quiz 1: Sunday 17 th March 11:59pm Quiz 2: Sunday 31 st March 11:59pm Quiz 3: Sunday 26 th May 11:59pm	Individual	30%	1, 2, 4, 5
2	In Class Test	In week 7 tutorial	Individual	20%	2, 5
3	Project	In week 11 tutorial	Group	20%	2, 3, 5, 6
4	Portfolio	Mid semester portfolio: Sunday 14 th April 11:59pm End of semester portfolio: Sunday 9 th June 11:59pm	Individual	30%	1, 2, 4, 5, 6

Late Submissions

The mark for an assessment item submitted after the designated time on the due date, without an approved extension of time, will be reduced by 5% of the possible maximum mark for that assessment item for each day or part day that the assessment item is late. Note: this applies equally to week and weekend days.

Assessment 1 - Online Quizzes

Assessment Type	Quiz
Description	Online quizzes will open 9am Monday of scheduled week and close at 11:59pm Sunday of that same week. Quiz 1 is on the Uni computing module. Quiz 2 is on the Business computing module (excluding Excel). Quiz 3 is on the programming module.
Weighting	30%
Due Date	Quiz 1: Sunday 17 th March 11:59pm Quiz 2: Sunday 31 st March 11:59pm Quiz 3: Sunday 26 th May 11:59pm
Submission Method	Online
Assessment Criteria	Correct answers
Return Method	This assessment will not be returned
Feedback Provided	Feedback will be provided in Canvas upon completion of the quiz.

Assessment 2 – In Class Test

Assessment Type	In Term Test
Description	This is a practical test on MS Excel spreadsheets.
Weighting	20%
Due Date	In week 7 tutorial
Submission Method	In class
Assessment Criteria	Correct answers
Return Method	In class
Feedback Provided	Feedback will be provided on the assessment paper when it is returned in class.

Assessment 3 - Project

Assessment Type	Project
Description	Students will complete and present an ICT audio visual project selected from options provided with the project instructions on Canvas. This project involves groupwork. Groups will be formed in the week 6 tutorial.
Weighting	20%
Due Date	In week 11 tutorial
Submission Method	In class
Assessment Criteria	Rubric provided in Canvas
Return Method	In class
Feedback Provided	Feedback will be provided at the end of each presentation.

Assessment 4 - Portfolio

Assessment Type	Portfolio
Description	The portfolio will consist of digital artifacts that showcase the student's work during the semester. Please see Canvas for full details.
Weighting	30%
Due Date	Mid semester portfolio: Sunday 14 th April 11:59pm End of semester portfolio: Sunday 9 th June 11:59pm
Submission Method	Online
Assessment Criteria	Rubric provided in Canvas
Return Method	Online
Feedback Provided	Mid semester portfolio: Online End of semester portfolio: No feedback will be provided for this assessment

ADDITIONAL INFORMATION

Grading Scheme

This course is graded as follows:

Range of Marks	Grade	Description
85-100	High Distinction (HD)	Outstanding standard indicating comprehensive knowledge and understanding of the relevant materials; demonstration of an outstanding level of academic achievement; mastery of skills*; and achievement of all assessment objectives.
75-84	Distinction (D)	Excellent standard indicating a very high level of knowledge and understanding of the relevant materials; demonstration of a very high level of academic ability; sound development of skills*; and achievement of all assessment objectives.
65-74	Credit (C)	Good standard indicating a high level of knowledge and understanding of the relevant materials; demonstration of a high level of academic achievement; reasonable development of skills*; and achievement of all learning outcomes.
50-64	Pass (P)	Satisfactory standard indicating an adequate knowledge and understanding of the relevant materials; demonstration of an adequate level of academic achievement; satisfactory development of skills*; and achievement of all learning outcomes.
0-49	Fail (FF)	Failure to satisfactorily achieve learning outcomes. If all compulsory course components are not completed the mark will be zero. A fail grade may also be awarded following disciplinary action.

Communication Methods

Email is the principal form of communication at the university and within this course. Always use your student email (NUmail), rather than a private email address, and check this regularly. As Course Coordinator I will try to respond to your email within three (3) working days. I will not normally respond to emails over the weekends. Please be courteous in your email communication and in the online space.

Canvas is used to distribute course material, announcements and other information. It is also used for online quizzes and to allow students to track their individual progressive assessment results throughout the semester via Grades.

Discussions forums in Canvas can be used to ask questions about minor issues. Students are strongly encouraged to use these to communicate with each other, discuss issues relating to the course, and solve minor problems.

Attendance and Engagement

In addition to face-to-face hours in class, out-of-class study and related work will require an additional commitment of up to 10 hours per week of reading, preparation, and study time over the semester. Students are required to spend on average 120-140 hours of effort (contact and non-contact hours including assessment) per semester per 10 unit course.

To maximise your learning opportunities, you should read all relevant material prior to attending class.

It is strongly recommended that you attend your classes every week. Our data shows that you will get better results if you attend class with your peers. If you do have to miss a class, you should catch up on any missed work by accessing lecture recordings if you are enrolled face-to-face. While online tutorials are recorded, on-campus tutorials are not, so you should view other resources available on your Canvas site and contact your course coordinator if you would like advice on how to best catch up on any material that was missed. **If you are unable to attend classes regularly you should reach out to your course coordinator as soon as possible to discuss ways that you can continue to engage with the learning material.**

A plan of regular revision throughout the semester is also strongly recommended to help you manage your time, consolidate information and retain that knowledge for the duration of

the course and beyond.

Assessment items have been designed to reinforce and revise the course material, and ensure you are up to date with course content. You are required to submit all assessable items by the due dates unless prior arrangements have been made.

Additional Contact Details

If you have any questions about your course, please speak with your course coordinator, lecturer or tutor first. For general enquiries, please contact the Pathways and Academic Learning Support Centre Office or your Student Liaison Officer. Contact details for both the office and Student Liaison Officers can be found [here](#).

Yapug students can also contact your Indigenous Enabling Learning Advisor [Hannah Pipe](#) or your Program Convenor [Dan Collins](#).

Adverse Circumstances

The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for Adverse Circumstances must be lodged via the online Adverse Circumstances system for all individual assessment items worth 30% or greater **by 11:00pm on the day the assessment is due**. For assessment items less than 30%, you will need to contact your Course Coordinator by 11:00pm on the due date of the assessment item.

Before applying you must refer to the [Adverse Circumstances Affecting Assessment Items Procedure](#) and the [Adverse Circumstances Affecting Assessment Items Policy](#).

Please note that students must submit their adverse circumstances application via the online Adverse Circumstances system by 11:00pm on the due date of the assessment item, even if you are using a [Reasonable Adjustment Plan \(RAP\)](#) as your supporting documentation.

Written Assessment Word Limits

If this course includes written assessments, the word limit listed will include headings, sub-heading, in-text citations, quotes and referencing but does not include the list of references, appendices and footnotes. You will not receive a penalty for exceeding the word limit (there is a tolerance of up to 10%), but any work after the maximum word limit may not be included within the allocation of marks.

Academic Misconduct

All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. Please refer to the [Student Academic Integrity Policy](#).

Oral Interviews (Vivas)

As part of the evaluation process of any assessment item in this course an oral examination (viva) may be conducted. The purpose of the oral examination is to verify the authorship of the material submitted in response to the assessment task. The oral examination will be conducted in accordance with the principles set out in the [Oral Examination \(viva\) Procedure](#). In cases where the oral examination reveals the assessment item may not be the student's own work the case will be dealt with under the [Student Conduct Rule](#).

Workplace Health and Safety Requirements

There are no specific WH&S requirements for this course.

Software

Free Microsoft Office software is available to enrolled students [here](#) and includes 5 TB of free cloud storage with OneDrive.

Timetable

Your timetable for this course is available via the myUni Student Portal and can also be found [here](#).

Course Evaluation

Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.

Important Policy Information

The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the [policies](#)

[and procedures](#) that support a safe and respectful environment at the University.

This course outline was approved by the Director, PALS. No alteration of this course outline is permitted without Director approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.
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