INFT6060: The Digital Economy
Online
Trimester 1 - 2024

OVERVIEW

Course Description
Information Technology is changing business fundamentally. This course overviews the nature of these changes in three distinct, but integrated parts:

1. Development of IT solutions during the 20th century.

2. Contemporary ICT applications and practices.

3. Future opportunities and implications relating to ICT.

While the course is not primarily technically focused the technical aspects needed to understand the implications, opportunities, limitations and management issues relating to ICT in business are covered.

Academic Progress Requirements
Nil

Requisites
This course replaces GEBU6010. If you have successfully completed GEBU6010 you cannot enrol in this course.

Contact Hours
Online
Lecture
Online
2 hour(s) per week(s) for 12 week(s) starting Week 1

Computer Lab
Online
2 hour(s) per week(s) for 11 week(s) starting Week 2

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.

CONTACTS

Course Coordinator	**Online** Mr Eugene Lutton Eugene.Lutton@newcastle.edu.au Consultation: Please Email for Consultation Email Subject header: INFT6060 / Online or Callaghan / Reason for email
Teaching Staff	Other teaching staff will be advised on the course Canvas site.
School Office	**School of Information and Physical Sciences** SR233, Social Sciences Building Callaghan CESE-SIPS-Admin@newcastle.edu.au +61 2 4921 5513 9am-5pm (Mon-Fri)

SYLLABUS

Course Content

1. Technology: Hardware & software, telecommunications & networking (contemporary and future).
2. The strategic place of ICT in the modern economy/organization.
3. The use of ICT within present and emerging business models.
4. Electronic Trading Cycles.
5. Contemporary ICT Issues, e.g., Distributed computing, the "cloud", social networking, supply chain re-engineering.
6. Managing the ICT function within the organization.
7. Privacy, security, ethical and social impact of ICT initiatives

Course Learning Outcomes

On successful completion of this course, students will be able to:

1. Understand the fundamental ICT technologies in use today, and be aware of likely ICT developments in the immediate future.

2. Have an appreciation of the nature and extent of the use of ICT within business today.

3. Appreciate the importance of integrating planning and management of ICT into mainstream business management.

4. Develop pro-active approaches to the introduction of innovative ICT applications.

Course Materials

Lecture Materials:
- PowerPoint lecture notes will be made available prior to the lecture each week.

Recommended Reading:
- Further readings are provided on Canvas throughout the trimester
  Chapter in Course readings: Tapscott, D. (2014). The Digital Economy: Rethinking Promise and Peril in the Age of Networked Intelligence (20 Years Anniversary Edition). New York: McGraw-Hill Education. ISBN: 978-0-07-183555-5.
  Keri E. Pearlson; Carol S. Saunders; Dennis F. Galletta. (2016-2019). Managing and Using Information Systems: A Strategic Approach (6-7th ed.). John Wiley and Sons. (Hardcover or Ebook)

COMPULSORY REQUIREMENTS

In order to pass this course, each student must complete ALL of the following compulsory requirements:

Contact Hour Requirements:
- -

Course Assessment Requirements:
- - Assessment 4 - Final Examination: Pass requirement - Must pass this assessment item to pass the course.

Compulsory Placement and WHS Requirements:
- -

SCHEDULE

Week	Week Begins	Topic	Learning Activity	Assessment Due
1	29 Jan	Introduction Please note this is an indicative course topic schedule	No Lab this week	
2	5 Feb	Themes of the Digital Economy	Discussion of lecture and activity/reading	
3	12 Feb	Strategic Use of Information	Discussion of lecture and activity/reading	
4	19 Feb	IS in the Organisation	Discussion of lecture and activity/reading	
5	26 Feb	Business Models	Discussion of lecture and activity/reading	Due 11:59pm Friday: Report 1 (ass2)
6	4 Mar	Trust	Discussion of lecture and activity/reading	
7	11 Mar	Artificial Intelligence	Discussion of lecture and activity/reading	
8	18 Mar	Social Business & IT	Discussion of lecture and activity/reading	
9	25 Mar	Business Analytics & Big Data	Discussion of lecture and activity/reading	
10	1 Apr	Public Holiday: Privacy in the Digital Economy	Discussion of lecture and activity/reading	Due11:59pm Friday: Report 2 (ass3)
11	8 Apr	The Dark Side	Discussion of lecture and activity/reading	Due 11:59pm Friday: Class Discussion & Exercises (Ass1)
12	15 Apr	Revision	Revision	
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	Class Discussion & Exercises	Progressive submissions during the Trimester. Commencing week 1 Final Written report due Friday 11:59pm 12th of April	Individual	30%	1, 2, 3, 4
2	Report 1	11:59pm Friday 1st of March	Individual	15%	1, 2, 3
3	Report 2	11:59pm Friday 5th of April	Individual	15%	1, 3, 4
4	Final Examination*	In exam period	Individual	40%	1, 2, 3, 4

* This assessment has a compulsory requirement.

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 10% 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 - Class Discussion & Exercises

Assessment Type   Tutorial / Laboratory Exercises
Purpose   The purpose and benefit of these activities is to provide students with the opportunity to research concepts presented in lectures, class or current ideas, and to reflect on their learning outcomes. In addition, this activity will provide the opportunity to undertake peer-to-peer reviews in forum activities. Each forum activity will have an opening and closing date. The final submission will take the form of a reflective journal, which will include the activities, peer reviews and reflections on the weekly activities as noted in the weekly lab notes. It is expected that you develop your journal as the course progresses.
Description
Weighting   30%
Due Date   Progressive submissions during the Trimester.
Commencing week 1
Final Written report due Friday 11:59pm 12th of April
Submission Method   Online
Via Canvas
Assessment Criteria   See Canvas
Return Method   Not Returned
Feedback Provided   Online - Once assignments are all marked.

Assessment 2 - Report 1

Assessment Type   Report
Purpose   Written assessments meet the course objectives of knowledge acquisition and demonstrated assimilation of data, upon reflection and analysis, to produce articulate and concise documents, which convey evidence-based comprehension of the concepts and topics.
Description
Weighting   15%
Due Date   11:59pm Friday 1st of March
Submission Method   Online
Via Canvas
Assessment Criteria   See Canvas
Return Method   Not Returned
Feedback Provided   Online - Once assignments are all marked.

Assessment 3 - Report 2

Assessment Type	Report
Purpose	Written assessments meet the course objectives of knowledge acquisition and demonstrated assimilation of data, upon reflection and analysis, to produce articulate and concise documents, which convey evidence-based comprehension of the concepts and topics.
Description	
Weighting	15%
Due Date	11:59pm Friday 5th of April
Submission Method	Online Via Canvas
Assessment Criteria	See Canvas
Return Method	Not Returned
Feedback Provided	Online - Once assignments are all marked.

Assessment 4 - Final Examination

Assessment Type	Formal Examination
Description	Formal exam
Weighting	40%
Compulsory Requirements	Pass requirement - Must pass this assessment item to pass the course.
Due Date	In exam period
Submission Method	Online Via Canvas
Assessment Criteria	Correctness of Answers
Return Method	Not Returned
Feedback Provided	No Feedback
Opportunity to Reattempt	Students WILL be given the opportunity to reattempt 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.

*Skills are those identified for the purposes of assessment task(s).

Attendance
Attendance/participation will be recorded in the following components:
- Tutorial (Method of recording:)

Communication Methods	Communication methods used in this course include:

Communication methods used in this course include:
- Canvas Course Site: Students will receive communications via the posting of content or announcements on the Canvas course site.
- Email: Students will receive communications via their student email account.

Please ensure you only use your official UON student email address for communicating with teaching staff in this course.

All email messages should include a meaningful subject title that includes the course code (INFT6060).

For example: INFT6060 / Callaghan or Online / reason for email

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.

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.

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. For the Student Academic Integrity Policy, refer to https://policies.newcastle.edu.au/document/view-current.php?id=35.

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 special consideration due to adverse circumstances will be made using the online Adverse Circumstances system where:

1. the assessment item is a major assessment item; or
2. the assessment item is a minor assessment item and the Course Co-ordinator has specified in the Course Outline that students may apply the online Adverse Circumstances system;
3. you are requesting a change of placement; or
4. the course has a compulsory attendance requirement.

Before applying you must refer to the Adverse Circumstance Affecting Assessment Items Procedure available at:
https://policies.newcastle.edu.au/document/view-current.php?id=236

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 at https://www.newcastle.edu.au/current-students/respect-at-uni/policies-and-procedures that support a safe and respectful environment at the University.

Program Outcomes for M Information Technology (AQF Level 9 Descriptors)	Taught	Practised	Assessed	Level of capability
1. Ability to identify and analyse complex problems within information technology and design solutions to these problems at a highly skilled level	Y	Y		3
2. Show depth of technical expertise in at least one facet of information technology sufficient for a career in information technology together with the capacity to continue developing relevant knowledge, skills and expertise throughout their careers	Y	Y	Y	4
3. Ability to manage projects in aspects of information technology relevant to their field of study, including the ability to develop, manage and participate at all levels in team environments	Y	Y		2
4. Show an understanding of professionalism and ethics in the context of the global information technology industry.	Y	Y	Y	3
5. Ability to communicate effectively through a range of verbal, written and/or presentation skills at an advanced level	Y	Y	Y	4
6. Ability to apply their knowledge and skills to plan and execute a substantial capstone experience or a research-based project and/or piece of scholarship				