



ACCG355

Information Systems for Management

S2 Evening 2019

Dept of Accounting & Corporate Governance

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General Information

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Credit points

3

Prerequisites

(39cp at 100 level or above) including (ACCG250 or ACCG251 or ISYS104)

Corequisites

Co-badged status

Unit description

This unit aims to increase students' ability to recognise, describe, evaluate, analyse, design and develop information systems from a business professional's viewpoint. The focus is on the creation of business value by improving business processes through the use of information and communications technologies (ICTs). Achievement of the unit's objectives will enable students to play an effective part in information development, management and use, and to communicate effectively with ICT professionals. This unit enables students to gain an understanding of the implications and impacts of the web revolution based on the basic principles of management information systems.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

On successful completion of this unit, you will be able to:

Explain why the business value of information technology is determined by people, hardware, software, data and procedures and describe the key trends of Information and Communications Technology and the implications for individuals, organisations and society.

Describe how information technology supports business processes (including the risks and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.

Explain how enterprise content management and electronic records reduce cost, support business operations and assist organisations to meet their regulatory, legal, governance and ethical obligations.

Demonstrate an understanding of the impacts of constant connectivity and distractions on quality of life, customer service and business operations, privacy and security and interpersonal relationships.

Demonstrate a commitment to working in a team and contribute to achieve the goals of the task at hand.

Assessment Tasks

Name	Weighting	Hurdle	Due
Assessed Coursework	30%	No	Weeks 3 - 12 during tutorials
Case Study/Report	20%	No	Week 7
Final Examination	50%	No	University Examination Period

Assessed Coursework

Due: **Weeks 3 - 12 during tutorials**

Weighting: **30%**

Submission:

1.1) Assessed Coursework

Each week students will participate in a task allocated in their tutorial. Tasks are undertaken and marked in tutorials. The marking rubric is available on iLearn.

Extension:

No extensions will be granted (not applicable as undertaken in class). Students that do not attend class will be awarded a mark of ZERO (0) for the task, except for cases in which an application for special consideration is made and approved.

Penalties:

Not applicable - see rubric for details on marking criteria.

On successful completion you will be able to:

- Explain why the business value of information technology is determined by people, hardware, software, data and procedures and describe the key trends of Information and Communications Technology and the implications for individuals, organisations and society.
- Describe how information technology supports business processes (including the risks and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.
- Explain how enterprise content management and electronic records reduce cost, support business operations and assist organisations to meet their regulatory, legal, governance and ethical obligations.
- Demonstrate an understanding of the impacts of constant connectivity and distractions on quality of life, customer service and business operations, privacy and security and interpersonal relationships.
- Demonstrate a commitment to working in a team and contribute to achieve the goals of the task at hand.

Case Study/Report

Due: **Week 7**

Weighting: **20%**

The assessment task is to write a ten (10) page report with scholarly references that will address a contemporary topic relating to information systems (full details are available on iLearn).

Submission All reports will be submitted through Turnitin on iLearn and marked through

grademark (the online marking system). Students will receive feedback within two weeks of the report submission through Grademark and Gradebook on the iLearn website.

Extensions

No Extensions will be granted

Penalty for Late Submission No extensions will be granted. There will be a deduction of 10% of the total available marks made from the total awarded mark for each 24 hour period or part thereof that the submission is late (for example, 25 hours late in submission – 20% penalty). This penalty does not apply for cases in which an application for special consideration is made and approved. No submission will be accepted after solutions have been posted.

On successful completion you will be able to:

- Explain why the business value of information technology is determined by people, hardware, software, data and procedures and describe the key trends of Information and Communications Technology and the implications for individuals, organisations and society.
- Describe how information technology supports business processes (including the risks and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.
- Demonstrate an understanding of the impacts of constant connectivity and distractions on quality of life, customer service and business operations, privacy and security and interpersonal relationships.

Final Examination

Due: **University Examination Period**

Weighting: **50%**

Examination conditions:

Three (3) hour exam plus 10 minutes reading time.

Supplementary Exams:

If a Supplementary Examination is granted as a result of the Special Consideration Policy the examination will be scheduled as per the Supplementary Examination timetable of the Faculty. Please note that the supplementary examination will be of the similar format as the final examination.

On successful completion you will be able to:

- Explain why the business value of information technology is determined by people,

hardware, software, data and procedures and describe the key trends of Information and Communications Technology and the implications for individuals, organisations and society.

- Describe how information technology supports business processes (including the risks and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.
- Explain how enterprise content management and electronic records reduce cost, support business operations and assist organisations to meet their regulatory, legal, governance and ethical obligations.
- Demonstrate an understanding of the impacts of constant connectivity and distractions on quality of life, customer service and business operations, privacy and security and interpersonal relationships.

Delivery and Resources

Classes

This unit will be taught in the form of weekly lectures and tutorials. There is a one and a half-hour lecture for 13 weeks. There are one and a half-hour tutorials each week for 12 weeks starting on Week 2. The timetable for classes can be found on the University web site at: <https://timetable.s.mq.edu.au>.

- Each student must register for a tutorial and must attend the tutorial that he/she has registered for. Tutorials will run each week from Weeks 2 to 13. Students must finalise their tutorial enrolment by the end of Week 2.
- Tutorial changes can ONLY be made through eStudent. Students wishing to change tutorial times should log onto eStudent and enrol in a class where there is a vacancy.
- Lecture slides will be made available on the unit website prior to the lecture.
- Lecture recordings will be made available via iLecture after the lecture each week.

Research and Practice

This unit provides students with practice applying research findings in assessment tasks. All assessment tasks require students to support their assertions with quality scholarly articles. Students will also be encouraged to link research with current industry practice.

Textbook

The required text for this unit is:

Information Technology for Management, 11th Australia & New Zealand Edition (Efraim Turban, Gregory R. Wood, Carol Pollard) **ISBN** 9781119571544. Available at the Co-op Bookshop (Macquarie University) or at wiley.com.

In addition to the required text, you are expected to draw on literature from other sources (including magazines, newspapers, business reports, journals, etc.). In the case of research journals, you can search journals and explore the main catalogue or look up databases relevant to Information and Communications Technology (ICT) and/or management. The journals of particular interest include the following (to name a few):

- Journal of the Association for Computing Machinery (ACM)
- International Journal of Management and Systems
- Information Systems
- Information Systems and e-Business Management

Other required material will be available to students throughout the session via iLearn.

Technology Used

Course material is available on the unit website (<http://ilearn.mq.edu.au>) - please note this includes the use of Turnitin. Other technology includes access to the internet to utilise library resources and the use of applications such as word processing software for assignments.

Expectations and Workload

To complete the unit satisfactorily students must make a serious attempt for each assessment task. Students are expected to spend 150 hours working on this unit. As a guide a student should spend these approximate amounts of time on each of the following activities:

	Activities	Hours
1	Weekly Lectures	20
2	Weekly Assessment Tasks	54
3	Report	35
4	Readings/Self Study	21
5	Preparation for the exam	20
	Total	150

Unit Schedule

Week	Topic	Chapter
1	Disruptive IT impacts companies, competition and careers	Chapter 1 (Prescribed text)

2	Information systems, IT architecture, data governance and cloud computing	Chapter 2 (Prescribed text)
3	Data management, data analytics and business intelligence	Chapter 3 (Prescribed text)
4	Networks, collaborative technology and the Internet of things	Chapter 4 (Prescribed text)
5	Cybersecurity and Risk Management	Chapter 5 (Prescribed text)
6	Search, semantic and recommendation technology	Chapter 6 (Prescribed text)
7	Web 2.0 and social technology	Chapter 7 (Prescribed text)
8	Retail, E-Commerce and mobile commerce technology	Chapter 8 (Prescribed text)
9	Functional business systems	Chapter 9 (Prescribed text)
10	Enterprise Systems	Chapter 10 (Prescribed text)
11	Data visualisation and geographic information systems	Chapter 11 (Prescribed text)
12	Project Management and SDLC	Chapter 13 (Prescribed text)
13	Ethical Risks and Responsibilities of IT Innovations Revision and Exam techniques	Chapter 14 (Prescribed text) All

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

Undergraduate students seeking more policy resources can visit the [Student Policy Gateway \(https://students.mq.edu.au/support/study/student-policy-gateway\)](https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the

key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central \(http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/student-conduct>

Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

Capable of Professional and Personal Judgement and Initiative

We want our graduates to have emotional intelligence and sound interpersonal skills and to demonstrate discernment and common sense in their professional and personal judgement. They will exercise initiative as needed. They will be capable of risk assessment, and be able to handle ambiguity and complexity, enabling them to be adaptable in diverse and changing environments.

This graduate capability is supported by:

Learning outcomes

- Describe how information technology supports business processes (including the risks and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.
- Demonstrate an understanding of the impacts of constant connectivity and distractions on quality of life, customer service and business operations, privacy and security and interpersonal relationships.
- Demonstrate a commitment to working in a team and contribute to achieve the goals of the task at hand.

Assessment tasks

- Assessed Coursework
- Case Study/Report
- Final Examination

Discipline Specific Knowledge and Skills

Our graduates will take with them the intellectual development, depth and breadth of knowledge, scholarly understanding, and specific subject content in their chosen fields to make them competent and confident in their subject or profession. They will be able to demonstrate, where relevant, professional technical competence and meet professional standards. They will be able to articulate the structure of knowledge of their discipline, be able to adapt discipline-specific knowledge to novel situations, and be able to contribute from their discipline to inter-disciplinary solutions to problems.

This graduate capability is supported by:

Learning outcomes

- Explain why the business value of information technology is determined by people, hardware, software, data and procedures and describe the key trends of Information and Communications Technology and the implications for individuals, organisations and society.
- Describe how information technology supports business processes (including the risks and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.
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- Demonstrate a commitment to working in a team and contribute to achieve the goals of the task at hand.

Assessment tasks

- Assessed Coursework
- Case Study/Report
- Final Examination

Critical, Analytical and Integrative Thinking

We want our graduates to be capable of reasoning, questioning and analysing, and to integrate and synthesise learning and knowledge from a range of sources and environments; to be able to critique constraints, assumptions and limitations; to be able to think independently and systemically in relation to scholarly activity, in the workplace, and in the world. We want them to have a level of scientific and information technology literacy.

This graduate capability is supported by:

Learning outcomes

- Explain why the business value of information technology is determined by people, hardware, software, data and procedures and describe the key trends of Information and Communications Technology and the implications for individuals, organisations and society.
- Describe how information technology supports business processes (including the risks

and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.

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Assessment tasks

- Assessed Coursework
- Case Study/Report
- Final Examination

Engaged and Ethical Local and Global citizens

As local citizens our graduates will be aware of indigenous perspectives and of the nation's historical context. They will be engaged with the challenges of contemporary society and with knowledge and ideas. We want our graduates to have respect for diversity, to be open-minded, sensitive to others and inclusive, and to be open to other cultures and perspectives: they should have a level of cultural literacy. Our graduates should be aware of disadvantage and social justice, and be willing to participate to help create a wiser and better society.

This graduate capability is supported by:

Learning outcomes

- Describe how information technology supports business processes (including the risks and benefits of cloud computing, e-business, m-commerce, social computing and outsourcing) and compare and contrast decisions about project management and systems development including the factors that influence management decisions.
- Demonstrate an understanding of the impacts of constant connectivity and distractions on quality of life, customer service and business operations, privacy and security and interpersonal relationships.
- Demonstrate a commitment to working in a team and contribute to achieve the goals of the task at hand.

Assessment tasks

- Assessed Coursework
- Case Study/Report
- Final Examination

Changes from Previous Offering

The unit has been aligned to the Learning Outcomes and any necessary updates to lecture material has been completed also. Updated textbook for this semester also

Changes since First Published

Date	Description
31/07/2019	Added teaching staff, Dr Bernard Wong who is taking the lectures