ACCG355

Information Systems for Management

S2 Day 2016

Dept of Accounting & Corporate Governance

Contents

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Credit points
3

Prerequisites
39cp 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	Due
Assessed Coursework	30%	Weeks 3 - 12 during tutorials
Report	20%	Week 7 (16th of September)
Final Examination	50%	University Examination Period

Assessed Coursework

Due: **Weeks 3 - 12 during tutorials**
Weighting: **30%**

Submission:

1.1) In-class Activities and Presentations - 25%

Each week students will participate in a task allocated in their tutorial. Tasks are undertaken and marked in tutorials. **Students will work in groups of NO MORE THAN FIVE (5) students each.** All tutorial tasks will be assessed **except tutorial tasks on Weeks 2, 7, 8, and 13**. However, **in Week 7, students will undergo a reflective exercise worth 5% during the tutorial** (see 1.2 for more details). Students are expected to attend all tutorials and participate in all tasks.

Although EIGHT (8) tutorial tasks will be assessed, not all groups will be asked to present their work each week. In total, **FIVE (5) random assessed coursework submissions will be assessed for each group during the semester**. The tutor will determine which weeks' work will be marked for each group. This assessment task is worth **25%**, out of which **12.5%** will be comprised of the mark received for the group participation, while the additional **12.5%** will be comprised of the mark received for the individual presentation of the assessed task. A mark of zero (0) will be given if students are unable to participate in the tutorials.

1.2) Reflective Task - 5%

Reflection is a powerful process of analysis and interpretation that helps us learn from our experiences. Reflecting on your life, work, and education will impact the performance and success of your education. A reflective task is to be completed by students in **Week 7 tutorial** contributing **5%** of their overall grade for the unit. The reflective task **will cover lecture and tutorial materials from Week 1 to Week 6 (including the guest speaker's presentation)**. Hence, students are required to review all learning materials up until Week 6 as well as to take notes at the guest speaker's presentation during Week 6 lecture (more details 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 Disruption to Studies (DTS) 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.

Report

Due: **Week 7 (16th of September)**
Weighting: **20%**

Submission:

The assessment task is to write an individual Business Report with **2,000-2,500 words** (including Introduction and Conclusion) using scholarly references. The Business Report will address a topic on Information and Communications Technology (ICT) (full details available on iLearn). The unit convenor will release the business report topic on iLearn on week 3. The report must be submitted through the Turnitin Assignment link in iLearn **by Friday, 16th of September at 5:00pm AEST (week 7)**.

This assessment task will be required to have an **Originality Report,** which will be done through the software program Turnitin. For more information go to: http://www.mq.edu.au/iLearn/student_info/assignments.htm. Tutors will check the originality reports before commencing marking. All reports will be marked through Gradebook (the online marking system). Students will receive feedback within two weeks of the report submission.

It is the responsibility of the student to retain a copy of any work submitted. Students must produce these documents upon request. Copies should be retained until the end of the grade appeal period each term. In the event that a student is asked to produce another copy of work submitted and is unable to do so, they may be awarded zero (0) for that particular assessment task.

Extension:

Tasks above 10% - 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 Disruption of Studies (DTS) is made and approved.

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 Disruption to Studies 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 on Wednesdays 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://timetables.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: **Turban E, Volonino, L and Wood, G (2015) Information Technology for Management: Digital Strategies for Insight, Action, and Sustainable Performance 10th Edition, John Wiley & Sons (ISBN 978-1-118-89778-2)**. Available at the

Co-op Bookshop (Macquarie University) or at wiley.com.

Students will also be required to source the following online material from e-reserve:

- Bolman, L., & Deal, T. (2013) *Reframing Organizations: Artistry, Choice, and Leadership*. 5th Edition, San Francisco, CA: Jossey-Bass **[Only Chapter 5 'Organizing Groups and Teams' is required and will be available through e-reserve]**

In addition to Turban, Volonino and Wood (2015), 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 Seminars	36
2	Weekly Assessment Tasks (5 hours per week from weeks 3-13)	55
3	Report	32
4	Reflective Task Preparation	3
5	Readings/self-study/preparation for the exam	24
	Total	**150**

Unit Schedule

Week	Topic	Chapter
1	Doing Business in Digital Times	Chapter 1 (Turban, Volonino, Wood (2015) Tenth Edition)
2	Data Governance and IT Architecture Support Long-Term Performance	Chapter 2 (Turban, Volonino, Wood (2015) Tenth Edition)
3	Data Management, Big Data Analytics, and Records Management	Chapter 3 (Turban, Volonino, Wood (2015) Tenth Edition)
4	Cybersecurity and Risk Management	Chapter 5 (Turban, Volonino, Wood (2015) Tenth Edition)
5	Networks for Efficient Operations and Sustainability (Part 1)	Chapter 4 (Turban, Volonino, Wood (2015) Tenth Edition)
6	Networks for Efficient Operations and Sustainability (Part 2)	Chapter 4 (Turban, Volonino, Wood (2015) Tenth Edition) plus Guest Speaker Presentation
7	Data Visualization and Geographic Information Systems	Chapter 11 (Turban, Volonino, Wood (2015) Tenth Edition)
8	Social Networking, Engagement, and Social Metrics	Chapter 7 (Turban, Volonino, Wood (2015) Tenth Edition)
9	Retail, E-commerce, and Mobile Commerce Technology	Chapter 8 (Turban, Volonino, Wood (2015) Tenth Edition)
10	Effective and Efficient Business Functions and Enterprise Systems	Chapter 9 (pages 297-306, 315-323) & Chapter 10 (Turban, Volonino, Wood (2015) Tenth Edition)
11	Ethical Risks and Responsibilities of IT Innovations	Chapter 14 (Turban, Volonino, Wood (2015) Tenth Edition)
12	IT Strategy and Balanced Scorecard	Chapter 12 (Turban, Volonino, Wood (2015) Tenth Edition)
13	Revision and Exam techniques	All

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central. Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy http://mq.edu.au/policy/docs/academic_honesty/policy.html

New Assessment Policy in effect from Session 2 2016 http://mq.edu.au/policy/docs/assessm

ent/policy_2016.html. For more information visit http://students.mq.edu.au/events/2016/07/19/ne w_assessment_policy_in_place_from_session_2/

Assessment Policy prior to Session 2 2016 http://mq.edu.au/policy/docs/assessment/policy.html

Grading Policy prior to Session 2 2016 http://mq.edu.au/policy/docs/grading/policy.html

Grade Appeal Policy http://mq.edu.au/policy/docs/gradeappeal/policy.html

Complaint Management Procedure for Students and Members of the Public http://www.mq.edu.a u/policy/docs/complaint_management/procedure.html

Disruption to Studies Policy http://www.mq.edu.au/policy/docs/disruption_studies/policy.html *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the Learning and Teaching Category of 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/support/student_conduct/

Results

Results shown in *iLearn*, 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.m q.edu.au.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://stu dents.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

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

- 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.

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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
- 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
- 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.

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Assessment tasks

- Assessed Coursework

- Report

- Final Examination

Changes from Previous Offering

Assessed Coursework - Students are required to take part in group discussions (12.5%) and make an individual presentation as part of their group's work (12.5%) in tutorials. All group members must take part in the presentations. Additionally, a Reflective Task worth 5% has been added as part of the Assessment Tasks.