ACCG3055

Information Systems for Management

Session 2, In person-scheduled-weekday, North Ryde 2022

Department of Accounting and Corporate Governance

Contents

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General Information

Unit convenor and teaching staff
Unit Convenor
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See iLearn

Moderator
Ali Amrollahi
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Credit points
10

Prerequisites
ACCG250 or ACCG2050

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:

ULO1: 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.

ULO2: 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.

ULO3: 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.

ULO4: 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.

ULO5: Demonstrate a commitment to working in a team and contribute to achieve the goals of the task at hand.

General Assessment Information

Late Assessment Submission Penalty (written assessments)

Unless a Special Consideration request has been submitted and approved, a 5% penalty (of the total possible mark) will be applied each day a written assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical concern.

For any late submissions of time-sensitive tasks, such as scheduled tests/exams, performance assessments/presentations, and/or scheduled practical assessments/labs, students need to submit an application for Special Consideration.

Assessment Tasks

Name	Weighting	Hurdle	Due
Assessed Coursework	30%	No	Every other week
Final Exam	50%	No	During Examination Weeks

Name	Weighting	Hurdle	Due
Case Study/Report	20%	No	Friday 9th September 2022

Assessed Coursework

Assessment Type [1]: Participatory task
Indicative Time on Task [2]: 20 hours
Due: **Every other week**
Weighting: **30%**

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

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.

Final Exam

Assessment Type [1]: Examination
Indicative Time on Task [2]: 30 hours
Due: **During Examination Weeks**
Weighting: **50%**

A two-hour online examination will be held during the University Examination period.

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.

Case Study/Report

Assessment Type [1]: Report
Indicative Time on Task [2]: 30 hours
Due: **Friday 9th September 2022**
Weighting: **20%**

The assessment task is to write a 2000-word report with scholarly references that will address a contemporary topic relating to information systems (full details are available on iLearn).

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.

[1] If you need help with your assignment, please contact:

• the academic teaching staff in your unit for guidance in understanding or completing this type of assessment

• the Writing Centre for academic skills support.

[2] Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

Classes

ACCG3055 is taught via recorded lectures and the tutorial sessions component has two possible streams: On-campus (in the classroom) or online via Zoom (**NB.** You can only elect to be in one or the other stream, you cannot decide to come on campus one week and then online the next)

There is one class per week that will consist of three (3) hours (1.5-hour online lectures and 1.5-hour tutorials). The timetables portal is available here: http://timetables.mq.edu.au

Textbook

The required text for this unit is:

Information Technology for Management 12th Edition, Efraim Turban, Gregory R. Wood, Carol Pollard **ISBN:** 9781119571544

Can be purchased from Wiley Direct.

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.

Unit Schedule

Week	Topic	Chapter
1	Digital Transformation Disrupts Companie	Chapter 1 (Prescribed text)
2	Information Systems, IT Infrastructure, and the Cloud	Chapter 2 (Prescribed text)
3	Data Management, Data Warehouses, and Data Governance	Chapter 3 (Prescribed text)
4	Networks and the Internet of Things (IoT)	Chapter 4 (Prescribed text)
5	Data Privacy and Cyber Security	Chapter 5 (Prescribed text)
6	Business Intelligence, Data Science, and Data Analytics	Chapter 6 (Prescribed text)
7	Social Media and Semantic Web Technology	Chapter 7 (Prescribed text)
8	Omnichannel Retailing, E-commerce, and Mobile Commerce Technology	Chapter 8 (Prescribed text)
9	Artificial Intelligence, Robotics, and Quantum Computing Technology	Chapter 11 (Prescribed text)
10	IT Strategy, Sourcing, and Strategic Technology Trends	Chapter 12 (Prescribed text)
11	Systems Development, IT Service Management and Project, Program and Portfolio Management	Chapter 13 (Prescribed text)
12	IT Ethics and Local and Global Sustainability	Chapter 14 (Prescribed text)
13	Revision and Exam techniques	

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://policie

s.mq.edu.au)). 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
- Assessment Procedure
- Complaints Resolution Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/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

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

Student Support

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

The Writing Centre

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues

Student Enquiries

Got a question? Ask us via AskMQ, or contact Service Connect.

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.

Changes from Previous Offering

The unit has been aligned to the Learning Outcomes and any necessary updates to lecture material has been completed also.

Changes since First Published

Date	Description
27/07/ 2022	The date of an assessment had the year 2021. The due date/year has been changed to 2022.