



# ACCG3055

## Information Systems for Management

Session 2, In person-scheduled-weekday, North Ryde 2024

*Department of Actuarial Studies and Business Analytics*

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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

Unit Convenor

Mauricio Marrone

[accg3055@mq.edu.au](mailto:accg3055@mq.edu.au)

See iLearn

Credit points

10

Prerequisites

ACCG250 or ACCG2050 or (130cp at 1000 level or above including BUSA2020)

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
<a href="#">Assessed Coursework</a>	25%	No	Every other week
<a href="#">Case Study/Report</a>	35%	No	Friday 11:55pm on Week 5 and Week 11
<a href="#">Final Examination</a>	40%	No	During Examination Weeks

### Assessed Coursework

Assessment Type <sup>1</sup>: Participatory task

Indicative Time on Task <sup>2</sup>: 20 hours

Due: **Every other week**

Weighting: **25%**

Students will participate in a task allocated in their tutorial. 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.

## Case Study/Report

Assessment Type <sup>1</sup>: Report

Indicative Time on Task <sup>2</sup>: 30 hours

Due: **Friday 11:55pm on Week 5 and Week 11**

Weighting: **35%**

The assessment task is to write two reports with scholarly references addressing contemporary topics 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.

## Final Examination

Assessment Type <sup>1</sup>: Examination

Indicative Time on Task <sup>2</sup>: 30 hours

Due: **During Examination Weeks**

Weighting: **40%**

A two-hour 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.

<sup>1</sup> 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.

<sup>2</sup> 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 face-to-face. We will offer 1.5-hour lectures and 1.5-hour tutorials. The timetables portal is available here: <http://timetables.mq.edu.au>

### Textbook

There is no required textbook. 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 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
1	Navigating Digital Transformation

2	Understanding IT Infrastructure & Cloud Solutions
3	Mastering Data Governance, Business Intelligence & Analytics
4	Exploring Network Technologies & IoT Innovations
5	Securing Cyber Borders & Data Protection
6	Harnessing Social Media & the Semantic Web
7	Embracing Omnichannel Strategies & E-commerce Trends
8	Decoding AI, Robotics & Quantum Computing
9	Strategising IT Trends & Technology Sourcing
10	Developing IT Systems & Service Management
11	Navigating IT Ethics & Global Sustainability Challenges
12	Guest lecturer: Contemporary Topics in Information Systems
13	Revision and Exam techniques

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.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 \(https://students.mq.edu.au/support/study/policies\)](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 \(https://policies.mq.edu.au\)](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](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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 Advocacy](#) provides independent advice on MQ policies, procedures, and processes

## 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/](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.

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Unit information based on version 2024.03 of the [Handbook](#)