



ACCG8022

Applied Business Information Systems

Session 1, Online-scheduled-weekday 2025

Department of Accounting and Corporate Governance

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General Information

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Lecturer

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Credit points

10

Prerequisites

(10cp from ACCG or ACST or AFIN or BUS or ECON or MGMT or MKTG units at 6000 level or above) or (Admission to MBusAnalytics)

Corequisites

Co-badged status

Unit description

This unit enables students to gain an understanding of the implications and impacts of information and communication technology (ICT) in business. The aim of the unit is for students to understand the concept of the digital economy, the impact business pressures play on the organisation, and their responses and adaptations to these pressures, and the role ICT plays both inside and outside the organisation in the context of globalisation and future trends. The focus is on understanding the creation of business value by enabling business processes using information and communications technologies. Students will analyse contemporary case studies and examples to critically evaluate and recommend specific ICT solutions for each topic. Students develop report writing skills by researching a current topic, such as cybersecurity or digital ethics, analyse the issues and provide recommendations to management.

The unit is offered in two delivery modes. Students can choose between a face-to-face, on campus offering, over the full session, or an external offering comprising six modules, each of one week's duration, with a workshop on campus prior to the start of session.

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 and critically evaluate the impact of Information and Communication Technology on an organisation's environment and business model, and how it supports data analysis and decision making.

ULO2: Evaluate the significance of information to organisational success by explaining the business benefits of a reliable IS infrastructure, and how to successfully leverage information with an appropriate level of security.

ULO3: Explain how enterprise-wide systems support information and how business decisions are made by the users of that information.

ULO4: Research and evaluate the issues relating to information ethics and privacy, including the implications for social media use.

Assessment Tasks

Name	Weighting	Hurdle	Due
Professional practice: Major Report	30%	No	Week 6
Skills development: Applied Tasks	20%	No	Week 5 and Week 10
Skills development: Critical Analysis	50%	No	Week 13

Professional practice: Major Report

Assessment Type ¹: Report

Indicative Time on Task ²: 20 hours

Due: **Week 6**

Weighting: **30%**

The purpose of this assessment is for you to apply the theoretical and practical concepts introduced throughout the unit. You will prepare a report about solving problems related to Accounting Information Systems. **Skills in focus:** - Critical Thinking - Problem solving - Work Readiness - Communication **Deliverable:** Report [max: 2,000 words] Individual assessment

On successful completion you will be able to:

- Explain and critically evaluate the impact of Information and Communication Technology on an organisation's environment and business model, and how it supports data analysis and decision making.
- Evaluate the significance of information to organisational success by explaining the business benefits of a reliable IS infrastructure, and how to successfully leverage information with an appropriate level of security.
- Explain how enterprise-wide systems support information and how business decisions are made by the users of that information.
- Research and evaluate the issues relating to information ethics and privacy, including the implications for social media use.

Skills development: Applied Tasks

Assessment Type ¹: Practice-based task

Indicative Time on Task ²: 20 hours

Due: **Week 5 and Week 10**

Weighting: **20%**

The purpose of this assessment is for you reinforce and apply your learning from each class. You will complete tasks in tutorials based on the materials covered in the previous week's lecture and assigned readings. **Skills in focus:** - Critical Thinking - Work Readiness - Communication - Research **Deliverable:** Written response [Max: 750 words] Individual assessment

On successful completion you will be able to:

- Explain and critically evaluate the impact of Information and Communication Technology on an organisation's environment and business model, and how it supports data analysis and decision making.
- Evaluate the significance of information to organisational success by explaining the business benefits of a reliable IS infrastructure, and how to successfully leverage information with an appropriate level of security.
- Explain how enterprise-wide systems support information and how business decisions are made by the users of that information.
- Research and evaluate the issues relating to information ethics and privacy, including the implications for social media use.

Skills development: Critical Analysis

Assessment Type ¹: Essay

Indicative Time on Task ²: 30 hours

Due: **Week 13**

Weighting: **50%**

The purpose of this assessment is for you to gain expertise in critically analysing and synthesising information about the role of Information and Communication Technology (ICT) in organisations. You will respond to essay questions based on topics in the unit. **Skills in focus:** - Critical Thinking - Problem Solving - Communication **Deliverable:** Essay response [max: 2,000 words] Individual assessment

On successful completion you will be able to:

- Explain and critically evaluate the impact of Information and Communication Technology on an organisation's environment and business model, and how it supports data analysis and decision making.
- Evaluate the significance of information to organisational success by explaining the business benefits of a reliable IS infrastructure, and how to successfully leverage information with an appropriate level of security.
- Explain how enterprise-wide systems support information and how business decisions are made by the users of that information.
- Research and evaluate the issues relating to information ethics and privacy, including the implications for social media use.

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

This unit uses a flipped classroom learning approach. Students will be expected to read the textbook chapter, read lecture notes and complete activities prior to attending class. The class

will involve interactive activities involving case studies, working in groups and other activities.

Mode of delivery is online. You will need to attend one class per week for three (3) hours which will be spilt into a 1.5 - 2 hour lecture and a 1 - 1.5 hour tutorial.

Textbook

Baltzan, Business Driven Information Systems 8th edition ©2023 | McGraw Hill Australia

[ISE Business Driven Information Systems \(mheducation.com.au\)](https://www.mheducation.com.au)

Unit Schedule

Week	Chapter	Topic
1	1	Business Driven MIS
2	2	Value Driven Business
3	3	e-Business
4	4	Decisions and Processes
5	5	Sustainable Technologies
6	6	Business Intelligence
7	9	Systems Development and Project Management
8	7	Networks: Mobile Business
9	8	Enterprise Information Systems: ERP and SCM
10	8	Enterprise Information Systems: CRM and Collaboration Systems
11	Reading Provided in class	Ethics, Privacy, Social Media and Future Trends
12	Reading Provided in class	Future of Technology
13		Revision

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policycentral.mq.edu.au\)](https://policycentral.mq.edu.au)

[s.mq.edu.au](https://students.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 connect.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 <https://students.mq.edu.au/support/>

Academic Success

[Academic Success](#) 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 the [Service Connect Portal](#), 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 since First Published

Date	Description
12/02/2025	Change the due date of take-home essay from Week 14 to Week 13

Unit information based on version 2025.04 of the [Handbook](#)