



# COIS11011 *Foundations of Business Computing*

## Term 1 - 2021

Profile information current as at 25/04/2024 11:40 pm

All details in this unit profile for COIS11011 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

## General Information

### Overview

Information systems play an important role in today's fast-moving digital world. In order to survive, succeed, and remain competitive, organisations are relying on innovation in data and information processing as well as understanding and applying new technologies. This unit outlines how information systems can be used in different domains to resolve challenging problems. This unit will help you understand how information systems can be effectively used in your future careers, with a key focus on the relationship between computer technology and business organisations. On completion of this unit, you should have a sound knowledge of the key concepts and terminology of computer hardware, software, data storage, and communication. You will also learn report writing skills and idea formulation through this unit.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

There are no requisites for this unit.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

### Offerings For Term 1 - 2021

- Brisbane
- Melbourne
- Online
- Rockhampton
- Sydney

### Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

### Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

## Class and Assessment Overview

### Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

#### 1. **Written Assessment**

Weighting: 20%

#### 2. **Written Assessment**

Weighting: 30%

#### 3. **Take Home Exam**

Weighting: 50%

### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

#### Feedback from Unit Evaluation

**Feedback**

Students found it difficult to understand the concept of cost-benefit analysis.

**Recommendation**

Clarify the concept of cost-benefit analysis in a better way with examples.

#### Feedback from Unit Evaluation

**Feedback**

Students commended the current layout of the Moodle unit website and the resources provided e.g. recorded video lectures, weekly Zoom sessions and support.

**Recommendation**

Continue to run the unit with the current style and format.

## Unit Learning Outcomes

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

1. Explain basic information systems concepts in the context of business organisations
2. Demonstrate the impact of information systems on inter-organisational processes
3. Discuss human factors associated with the use of computerised information systems, including managerial, ethical and social considerations
4. Identify how information systems affect organisations and enable social innovation
5. Illustrate the acquisition and development of information systems
6. Develop report writing and communication skills in expressing and exchanging ideas, views and arguments using charts, graphs and presentation software.

The Australian Computer Society (ACS) recognises the Skills Framework for the Information Age (SFIA). SFIA is in use in over 100 countries and provides a widely used and consistent definition of ICT skills. SFIA is increasingly being used when developing job descriptions and role profiles.

ACS members can use the tool MySFIA to build a skills profile at

<https://www.acs.org.au/professionalrecognition/mysfia-b2c.html>

This unit contributes to the following workplace skills as defined by SFIA. The SFIA code is included:

- Analytics (INAN)
- Business Analysis (BUAN)
- Data Analysis (DTAN)
- Problem Management (PBMG)

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Written Assessment - 20%					•	•
2 - Written Assessment - 30%	•	•	•	•		•
3 - Take Home Exam - 50%	•	•	•	•	•	

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Communication	•	•	•	•	•	•
2 - Problem Solving	•	•	•	•		•
3 - Critical Thinking	•	•	•	•		•
4 - Information Literacy	•	•	•	•	•	•
5 - Team Work						
6 - Information Technology Competence	•	•	•	•	•	•
7 - Cross Cultural Competence	•	•	•	•		•
8 - Ethical practice	•	•	•	•		•
9 - Social Innovation				•		
10 - Aboriginal and Torres Strait Islander Cultures						

### Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Written Assessment - 20%	•	•	•	•		•				
2 - Written Assessment - 30%	•		•	•		•		•	•	
3 - Take Home Exam - 50%	•	•	•	•						

## Textbooks and Resources

### Textbooks

COIS11011

#### Prescribed

#### Information Systems Today: Managing in the Digital World

Global Edition (8e) (2017)

Authors: Joseph Valacich, Christoph Schneider

Pearson Higher Ed USA

New York , New York , United States of America

ISBN: ISBN-10: 1292215976 • ISBN-13: 9781292215976

Binding: Paperback

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

#### You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Office software (e.g. Microsoft Office, Open Office etc)

## Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Gitte Galea** Unit Coordinator

[g.galea@cqu.edu.au](mailto:g.galea@cqu.edu.au)

## Schedule

### Week 1 - 08 Mar 2021

Module/Topic	Chapter	Events and Submissions/Topic
Managing in the Digital World	Chapter 1 (Prescribed Textbook)	

### Week 2 - 15 Mar 2021

Module/Topic	Chapter	Events and Submissions/Topic
Gaining Competitive Advantage Through Information Systems	Chapter 2 (Prescribed Textbook)	

### Week 3 - 22 Mar 2021

Module/Topic	Chapter	Events and Submissions/Topic
Managing the Information Systems Infrastructure and Services	Chapter 3 (Prescribed Textbook)	

### Week 4 - 29 Mar 2021

Module/Topic	Chapter	Events and Submissions/Topic
Foundations of Information Systems Infrastructure	Technology Briefing (TB) (Prescribed Textbook)	

**Week 5 - 05 Apr 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Enabling Business-to-Consumer Electronic Commerce	Chapter 4 (Prescribed Textbook)	<b>Assessment 1 - Developing Computing and Business Skills</b> Due: Week 5 Friday (9 Apr 2021) 11:45 pm AEST

**Vacation Week - 12 Apr 2021**

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

**Week 6 - 19 Apr 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Enhancing Organizational Communication and Collaboration Using Social Media	Chapter 5 (Prescribed Textbook)	

**Week 7 - 26 Apr 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Enhancing Business Intelligence Using Big Data and Analytics	Chapter 6 (Prescribed Textbook)	

**Week 8 - 03 May 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Enhancing Business Processes Using Enterprise Information Systems	Chapter 7 (Prescribed Textbook)	

**Week 9 - 10 May 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Strengthening Business-to-Business Relationships via Supply Chain and Customer Relationship Management	Chapter 8 (Prescribed Textbook)	Submission: Assignment 2b due Friday 11.45pm

**Week 10 - 17 May 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Developing and Acquiring Information Systems	Chapter 9 (Prescribed Textbook)	

**Week 11 - 24 May 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Securing Information Systems	Chapter 10 (Prescribed Textbook)	Submission: Assignment 2a due Monday 9.00am

**Week 12 - 31 May 2021**

Module/Topic	Chapter	Events and Submissions/Topic
Unit Review	No New Topics	Complete the Unit evaluation. Click the 'Have Your Say' button on the Moodle website.

**Review/Exam Week - 07 Jun 2021**

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

**Exam Week - 14 Jun 2021**

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

## Term Specific Information

Contact information for Dr. Colin Lemmon: Email: c.lemmon@cqu.edu.au; Office: Level 3, 42-52 Abbott Street & Shields Street, Cairns, Qld 4870; P +61 7 4037 5146 | X 55146.

If you have any queries, please email me and I will get back to you within one to two business days. For an individual discussion, please email to discuss a time for a meeting.

## Assessment Tasks

### 1 Assessment 1 - Developing Computing and Business Skills

#### Assessment Type

Written Assessment

#### Task Description

In this assignment, you will carry out an analysis of a given case study. This will be done using MS-Excel and through these exercises, you will learn the following skills:

- How to use a spreadsheet with multiple sheets
- How to link data in multiple sheets
- How to use various in-built formulae/functions
- How to organise data in a sheet
- How to generate graphs from MS-Excel data sets

You will also learn to use MS-Word as a tool for organising and presenting your ideas in a coherent manner. This assignment will be submitted online through Moodle unit website.

**The full specification for this assessment and the marking criteria are available on the Moodle unit website.**

#### Assessment Due Date

Week 5 Friday (9 Apr 2021) 11:45 pm AEST

#### Return Date to Students

Week 6 Friday (23 Apr 2021)

#### Weighting

20%

#### Assessment Criteria

The assessment criteria include aspects such as the report document format, report document content, report document presentation, spreadsheet presentation, charts, functions, formula, calculations, and results. A detailed marking template will be available along with the assignment details on the unit website.

#### Referencing Style

- [Harvard \(author-date\)](#)

#### Submission

Online

#### Submission Instructions

Submit by clicking appropriate assessment submission link on the Moodle unit website

#### Learning Outcomes Assessed

- Illustrate the acquisition and development of information systems
- Develop report writing and communication skills in expressing and exchanging ideas, views and arguments using charts, graphs and presentation software.

#### Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

## 2 Assessment 2 - Survey of Information Systems Theory

### Assessment Type

Written Assessment

### Task Description

Assessment task two comprises two parts, part A (10%) and part B (20%).

### Assessment 2 - Part A - Discussion and Contribution

On-campus students: You must attend the lectures and tutorials and participate by contributing to the in-class discussion. Marks will be based on your attendance and participation. The topics to be discussed each week are outlined in the weekly tutorial questions file available in the Moodle unit site.

Distance (Online) students: You must participate and contribute to the discussion on the 'Assignment 2 - Part A Discussion Forum' located in the 'Unit Discussion Forums' accessible via the Moodle unit website. The topics to be discussed each week are outlined in the discussion forum as individual threads submitted by the unit coordinator.

### Assessment 2 - Part B - Short Expository and/or Argumentative Essay Questions (3000 words, +/-10%)

In this assessment, you will survey several selected topics in Information Systems many of which are emerging trends in the field. This survey will entail studying the selected topics from the prescribed textbook, carrying out further research on these topics and then presenting the results of your survey.

Documentation of your survey findings will be done in MS-Word. In this exercise you will learn to:

- Use MS-Word as a tool for structuring and presenting your ideas in a coherent manner
- Use MS-Word styles and templates to structure your essay
- Carry out research on a topic, interpreting and presenting your findings
- Reference the sources of information you have researched (Harvard author-date style)

This assignment will be submitted online through Moodle unit website.

**The full specification for this assessment and the marking criteria are available on the Moodle unit website.**

### Assessment Due Date

Part A final weekly submission is due Monday week 11 (24/5/2021) at 9.00am. Part B is due Friday week 9 (14/5/2021) at 11.45pm.

### Return Date to Students

Part A Monday review/exam week. Part B Friday week 11.

### Weighting

30%

### Assessment Criteria

The assessment criteria include aspects such as the quality of your answers to the questions, report document format, report document content, and referencing mechanics.

A detailed marking template will be available along with the assignment details on the unit website.

### Referencing Style

- [Harvard \(author-date\)](#)

### Submission

Online

### Submission Instructions

Submit by clicking appropriate assignment submission link on the Moodle unit website.

### Learning Outcomes Assessed

- Explain basic information systems concepts in the context of business organisations
- Demonstrate the impact of information systems on inter-organisational processes
- Discuss human factors associated with the use of computerised information systems, including managerial, ethical and social considerations
- Identify how information systems affect organisations and enable social innovation
- Develop report writing and communication skills in expressing and exchanging ideas, views and arguments using

charts, graphs and presentation software.

### **Graduate Attributes**

- Communication
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Ethical practice
- Social Innovation

## **3 Examination**

### **Assessment Type**

Take Home Exam

### **Task Description**

- For this take-home exam, you will be given a 24-hour timeframe, between which you will need to download the exam from the unit's Moodle website, complete it and upload it back.
- The take-home exam will feature a series of questions for you to work through, like the exam instrument, with critical thinking and problem-solving focus. The questions will relate to the topics covered in the lectures from Week 1 to Week 11.
- The assessment will have the same weighting as the examination it replaces. You will need to score 40% (20 out of 50) of the available marks on the take-home exam and overall, 50% to pass this unit. This is the same passing criteria as the exam instrument it replaces.

**The full specification for this 'Take-Home' examination is available on the Moodle unit website.**

### **Assessment Due Date**

Take-home exam will be scheduled during the usual exam period. Take-home exam schedule will be advised to you at the proper time.

### **Return Date to Students**

Take-home exam will be scheduled during the usual exam period. Take-home exam schedule will be advised to you at the proper time.

### **Weighting**

50%

### **Minimum mark or grade**

Minimum 40% of the total weight of the take-home examination paper.

### **Assessment Criteria**

The assessment criteria include aspects such as the quality of your answers to the case study and short expository and/or argumentative essay questions, document format, and document content. This take-home examination comprises two parts, Parts A and B.

#### **Part A: Case Study (20 Marks)**

Part A is worth 20 marks. It contains questions related to a case study provided in the take-home exam. You are required to answer ALL the questions.

#### **Part B: Short Expository and/or Argumentative Essay Questions (30 Marks)**

Part B is worth 30 marks. It contains short expository and/or argumentative essay questions. You are required to answer all questions.

### **Referencing Style**

- [Harvard \(author-date\)](#)

### **Submission**

Online

### **Submission Instructions**

Submit by clicking appropriate assignment submission link on the Moodle unit website.

### **Learning Outcomes Assessed**

- Explain basic information systems concepts in the context of business organisations
- Demonstrate the impact of information systems on inter-organisational processes
- Discuss human factors associated with the use of computerised information systems, including managerial,

- ethical and social considerations
- Identify how information systems affect organisations and enable social innovation
- Illustrate the acquisition and development of information systems

#### **Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

## Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

#### **What is a breach of academic integrity?**

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

#### **Why is academic integrity important?**

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

#### **Where can I get assistance?**

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

#### **What can you do to act with integrity?**



**Be Honest**

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



**Seek Help**

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



**Produce Original Work**

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem