



<https://courseoutline.auckland.ac.nz/dco/course/INFOSYS/110/1215>

# INFOSYS 110 : Digital Systems

## Business and Economics

2021 Semester Two (1215) (15 POINTS)

### Course Prescription

Explores how information systems and analytical tools help organisations to innovate, optimise and deliver value. Examines how the development and implementation of systems and technologies coordinate and manage information, people, and processes within data governance and privacy frameworks.

### Course Overview

This course is one of the core courses that you will take in your first year. It gives you an introduction about how businesses organisations thrive in a 'Digital First' world. It also equips you with basic technical skills in using digital technologies and tools that will be useful for your professional career and as you progress in your study programme.

Digital Systems are an integral part of business and society. You will, in this course, examine how businesses and society are impacted due to the rise of digital systems, what those systems are, and how such systems can be used to promote productivity and competitiveness. Also, how may you, design and manage businesses in such an environment.

As part of our reliance on digital systems, you will explore issues such as privacy and other legal principles related to Digital Systems, including Databases, Transaction Processing and Decision Support Systems, Enterprise and Collaborative systems, Business Analytics and Data Visualisation, and technologies that are likely to influence the future. This will be facilitated through the use of basic practical digital technologies and tools.

### Course Requirements

No pre-requisites or restrictions

### Capabilities Developed in this Course

Capability 1: Disciplinary Knowledge and Practice

Capability 2: Critical Thinking

- Capability 3: Solution Seeking
- Capability 4: Communication and Engagement
- Capability 5: Independence and Integrity
- Capability 6: Social and Environmental Responsibilities

Graduate Profile: [Bachelor of Commerce](#)

## Learning Outcomes

By the end of this course, students will be able to:

1. Explain how digital systems and business analytics help organisations to innovate, optimise, and thereby deliver sustainable value. (Capability 1, 5.2 and 6)
2. Analyse a business case and recommend appropriate technological and strategic solutions to common business problems. (Capability 1, 2 and 3)
3. Demonstrate competence in using contemporary business productivity tools such as collaboration software and spreadsheets. (Capability 1, 4.1, 4.2 and 5.1)
4. Demonstrate an ability to solve basic computational and design problems using a programming language. (Capability 1, 3, 5.1 and 5.2)
5. Demonstrate the capacity to apply the Principles of the Privacy Act to common business and social scenarios individually, and, as part of a team. (Capability 3, 4.1, 4.2 and 4.3)

## Assessments

Assessment Type	Percentage	Classification
Exam	50%	Individual Examination
Online Technical Training	20%	Individual Coursework
Group Assignments	30%	Group Coursework
3 types	100%	

Assessment Type	Learning Outcome Addressed				
	1	2	3	4	5
Exam	✓	✓	✓	✓	✓
Online Technical Training	✓	✓	✓		✓
Group Assignments	✓	✓		✓	

## Workload Expectations

This course is a standard 15 point course and students are expected to spend 10 hours per week involved in each 15 point course that they are enrolled in.

For each week in this course, you can expect 3 hours of pre-class preparation, a 1 hour plenary lecture session, a 2 hours computer based lab, and 4 hours of work on assignments and/or test preparation.

## Delivery Mode

### Campus Experience

Attendance is required at scheduled activities including lectures and labs to receive credit for components of the course.

Lectures will be available as recordings. Other learning activities will not be available as recordings.

Attendance on campus is required for the exam.

The activities for the course are scheduled as a standard weekly timetable.

## Learning Resources

There is no prescribed textbook for this course. All readings are available via Canvas and can be accessed for free via the University Library system.

## Student Feedback

At the end of every semester students will be invited to give feedback on the course and teaching through a tool called SET or Qualtrics. The lecturers and course co-ordinators will consider all feedback and respond with summaries and actions.

Your feedback helps teachers to improve the course and its delivery for future students.

Class Representatives in each class can take feedback to the department and faculty staff-student consultative committees.

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## Digital Resources

Course materials are made available in a learning and collaboration tool called Canvas which also includes reading lists and lecture recordings (where available).

Please remember that the recording of any class on a personal device requires the permission of the instructor.

## Academic Integrity

The University of Auckland will not tolerate cheating, or assisting others to cheat, and views cheating in coursework as a serious academic offence. The work that a student submits for grading must be the student's own work, reflecting their learning. Where work from other sources is used, it must be properly acknowledged and referenced. This requirement also applies to sources on the internet. A student's assessed work may be reviewed against online source material using computerised detection mechanisms.

## Inclusive Learning

All students are asked to discuss any impairment related requirements privately, face to face and/or in written form with the course coordinator, lecturer or tutor.

Student Disability Services also provides support for students with a wide range of impairments, both visible and invisible, to succeed and excel at the University. For more information and contact details, please visit the [Student Disability Services' website](http://disability.auckland.ac.nz) <http://disability.auckland.ac.nz>

## Special Circumstances

If your ability to complete assessed coursework is affected by illness or other personal circumstances outside of your control, contact a member of teaching staff as soon as possible before the assessment is due.

If your personal circumstances significantly affect your performance, or preparation, for an exam or eligible written test, refer to the University's [aegrotat or compassionate consideration page](https://www.auckland.ac.nz/en/students/academic-information/exams-and-final-results/during-exams/aegrotat-and-compassionate-consideration.html) <https://www.auckland.ac.nz/en/students/academic-information/exams-and-final-results/during-exams/aegrotat-and-compassionate-consideration.html>.

This should be done as soon as possible and no later than seven days after the affected test or exam date.

## Learning Continuity

In the event of an unexpected disruption we undertake to maintain the continuity and standard of teaching and learning in all your courses throughout the year. If there are unexpected disruptions the University has contingency plans to ensure that access to your course continues and your assessment is fair, and not compromised. Some adjustments may need to be made in emergencies. You will be kept fully informed by your course co-ordinator, and if disruption occurs you should refer to the University Website for information about how to proceed.

## Student Charter and Responsibilities

The Student Charter assumes and acknowledges that students are active participants in the learning process and that they have responsibilities to the institution and the international community of scholars. The University expects that students will act at all times in a way that demonstrates respect for the rights of other students and staff so that the learning environment is both safe and productive. For further information visit [Student Charter](https://www.auckland.ac.nz/en/students/forms-policies-and-guidelines/student-policies-and-guidelines/student-charter.html) <https://www.auckland.ac.nz/en/students/forms-policies-and-guidelines/student-policies-and-guidelines/student-charter.html>.

### Disclaimer

Elements of this outline may be subject to change. The latest information about the course will be available for enrolled students in Canvas.

In this course you may be asked to submit your coursework assessments digitally. The University reserves the right to conduct scheduled tests and examinations for this course online or through the use of computers or other electronic devices. Where tests or examinations are conducted online remote invigilation arrangements may be used. The final decision on the completion mode for a test or examination, and remote invigilation arrangements where applicable, will be advised to students at least 10 days prior to the scheduled date of the assessment, or in the case of an examination when the examination timetable is published.