Business and Economics

INFOSYS 110 : Digital Systems (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

Information Systems have the potential to deliver business value by strategically managing, coordinating, and controlling organisations. This course provides a foundation for further studies specifically in Stages 2 and 3 for the majors of Information Systems, Operations Management, and Business Analytics, and it also caters for Business studies in general. Students will explore how Information Systems support transactional, decisional, and collaborative business processes by capturing, processing, storing, and distributing information. Students will also learn about systems to manage the enterprise, customers, and suppliers. Ultimately we want to educate, inspire, and empower tomorrow's leaders to create and apply exponential technologies to address humanity's grand challenges and opportunities. As a Stage 1 course, INFOSYS110 is dedicated to develop students disciplinary knowledge in the various concepts covered, and to facilitate skills in communications.

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 information systems, operations management 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 spreadsheets. (Capability 1 and 5.1)
4. Demonstrate an ability to solve basic computational and design problems using a programming language. (Capability 1, 5.1 and 5.2)
5. Demonstrate the capacity to solve common business and social problems individually, and, as part of a team. (Capability 3, 4.1, 4.2 and 4.3)

Assessments

Assessment Type	Percentage	Classification
Practical Training	16%	Individual Coursework
Tutorials	10%	Individual Coursework
Presentation	3%	Group Coursework
Assignments	6%	Individual Coursework
Test	20%	Individual Test
Exam	45%	Individual Examination
6 types	100%	

Assessment Type	Learning Outcome Addressed				
	1	2	3	4	5
Practical Training			✔		
Tutorials	✔	✔			✔
Presentation	✔				✔
Assignments	✔				✔
Test	✔	✔	✔	✔	✔
Exam	✔	✔	✔	✔	✔

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 this course, you can expect, in each week, a 1 hour plenary lecture, a 2 hour tutorial, 3 hours of reading and thinking about the content and 4 hours of work on assignments and/or test preparation per week.

Delivery Mode

Campus Experience

Attendance is expected at scheduled activities including lectures and labs, to experience components of the course.

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

The course will not include live online events including group discussions/tutorials.

Attendance on campus is required for the test and exam.

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

Learning Resources

The recommended textbook for this course is:

Business Systems: Vision to Action

Edited By: Khushbu Tilvawala, Andrew Eberhard, Ron Tiong, Asfahaan Mirza, Anson Li, Gabrielle Peko, David Sundaram

Publisher: Wiley 2016

ISBN: 9780730330622

This book is available online via: http://www.wileydirect.com.au/infosys110uauckland/.

All INFOSYS110 learning resources (including lecture and tutorial slides/notes) are available on Canvas for free download and use.

We use a wide variety of online learning resources such as Excel Training, Codeavengers.com, Peermark, and Vision2Action Games. Links to these are on Canvas.

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.

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

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.

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.

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.