



UNSW Course Outline

INFS5602 Digital Capabilities for Business - 2024

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General Course Information

Course Code : INFS5602

Year : 2024

Term : Term 1

Teaching Period : T1

Is a multi-term course? : No

Faculty : UNSW Business School

Academic Unit : School of Information Systems and Technology Management

Delivery Mode : In Person

Delivery Format : Standard

Delivery Location : Kensington

Campus : Sydney

Study Level : Postgraduate

Units of Credit : 6

Useful Links

[Handbook Class Timetable](#)

Course Details & Outcomes

Course Description

This course builds the foundation and functional knowledge about information systems by exploring how organisations can leverage new technologies, data and business processes to build digital capabilities needed to compete in an ever-changing digital economy. The course will focus on the value of digital capability, the systems technologies that support and enable digital

capabilities, and the building and management of digital capabilities.

Drawing upon real-world problems and challenges, students will apply the use and suitability of contemporary and emerging tools and technologies to a variety of contexts and scenarios. This will culminate in an appreciation of how these technologies affect: the operation and management of businesses; the relationships that businesses have with external entities (including customers, suppliers and regulators); and the products and services that businesses can offer.

Course Aims

This course explores how organisations can leverage on new technologies, data, and business processes to build digital capabilities that they need to compete in an ever-changing digital economy.

Students will develop a holistic understanding of how contemporary and emerging technologies affect operation and management of businesses, as well as relationships that businesses have with external entities.

The course aims to further student development as scholars and future business professionals by refining their communication and group-work skills, improving their time management, and assisting them in developing their research skills. INFS5602 is a core course in the Digital Transformation specialisation in the Master of Commerce postgraduate degree. INFS5602 will not only introduce you to the crucial role of technology in modern-day businesses, but it will also improve your overall understanding of how businesses work in general. Because INFS5602 does not assume any prior experience with technology, you will find that it fits easily with your background and degree programme.

Relationship to Other Courses

This course explores how organisations can leverage on new technologies, data, and business processes to build digital capabilities that they need to compete in an ever-changing digital economy.

Students will develop a holistic understanding of how contemporary and emerging technologies affect operation and management of businesses, as well as relationships that businesses have with external entities.

The course aims to further student development as scholars and future business professionals by refining their communication and group-work skills, improving their time management, and assisting them in developing their research skills. INFS5602 is a core course in the Digital Transformation specialisation in the Master of Commerce postgraduate degree. INFS5602 will not only introduce you to the crucial role of technology in modern-day businesses, but it will also improve your overall understanding of how businesses work in general. Because INFS5602 does not assume any prior experience with technology, you will find that it fits easily with your background and degree programme.

Course Learning Outcomes

Course Learning Outcomes	Program learning outcomes
CLO1 : Examine the core information systems components in digital transformation.	<ul style="list-style-type: none">• PLO1 : Business Knowledge
CLO2 : Evaluate both external and internal business environment models and processes, and apply them to formulate sound digital strategies.	<ul style="list-style-type: none">• PLO1 : Business Knowledge• PLO2 : Problem Solving
CLO3 : Produce logical and well-justified plans for the leveraging of information systems tools to optimise organisational efficiency and effectiveness and to compete in a global marketplace.	<ul style="list-style-type: none">• PLO1 : Business Knowledge• PLO2 : Problem Solving• PLO3 : Business Communication• PLO5 : Responsible Business Practice
CLO4 : Evaluate and apply different approaches in developing and implementing information systems projects.	<ul style="list-style-type: none">• PLO1 : Business Knowledge• PLO2 : Problem Solving
CLO5 : Critically analyse a range of cultural, security, privacy and ethical issues faced by individuals and organisations in the context of information systems transformations.	<ul style="list-style-type: none">• PLO2 : Problem Solving• PLO5 : Responsible Business Practice• PLO6 : Global and Cultural Competence
CLO6 : Work collaboratively and effectively as part of a team to deliver an information systems transformation.	<ul style="list-style-type: none">• PLO3 : Business Communication• PLO4 : Teamwork• PLO7 : Leadership Development

Course Learning Outcomes	Assessment Item
CLO1 : Examine the core information systems components in digital transformation.	<ul style="list-style-type: none"> • Community of Practice Contribution • Critical Thinking Analysis
CLO2 : Evaluate both external and internal business environment models and processes, and apply them to formulate sound digital strategies.	<ul style="list-style-type: none"> • Team Project • Final Exam
CLO3 : Produce logical and well-justified plans for the leveraging of information systems tools to optimise organisational efficiency and effectiveness and to compete in a global marketplace.	<ul style="list-style-type: none"> • Critical Thinking Analysis • Team Project
CLO4 : Evaluate and apply different approaches in developing and implementing information systems projects.	<ul style="list-style-type: none"> • Community of Practice Contribution • Final Exam
CLO5 : Critically analyse a range of cultural, security, privacy and ethical issues faced by individuals and organisations in the context of information systems transformations.	<ul style="list-style-type: none"> • Community of Practice Contribution • Critical Thinking Analysis • Team Project • Final Exam
CLO6 : Work collaboratively and effectively as part of a team to deliver an information systems transformation.	<ul style="list-style-type: none"> • Community of Practice Contribution • Team Project

Learning and Teaching Technologies

Moodle - Learning Management System

Learning and Teaching in this course

The field of Information Systems is exciting, innovative and dynamic. New technologies and novel ways of doing things are emerging all of the time. Nothing stays the same for very long! Such a fast-moving environment means that not only do we need to learn about information systems today, but that we need to learn how to continue learning about information systems in the future in order to effectively utilise these systems for developing innovative business practices. This course aims to equip you with necessary understanding of foundational knowledge on Digital Capabilities and to also equip you with critical thinking tools and techniques that will allow you to understand IS in the future.

Other Professional Outcomes

not applicable

Additional Course Information

not applicable

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates	Program learning outcomes
Community of Practice Contribution Assessment Format: Individual	20%	Start Date: Week 1 to 10 Due Date: Week 1 to 10 Post Date: 21/01/2024 05:00 PM	<ul style="list-style-type: none">• PLO1 : Business Knowledge• PLO2 : Problem Solving• PLO3 : Business Communication• PLO4 : Teamwork• PLO5 : Responsible Business Practice
Critical Thinking Analysis Assessment Format: Individual	15%	Start Date: 19/02/2024 01:00 PM Due Date: 08/03/2024 01:00 PM Post Date: 08/03/2024 05:00 PM	<ul style="list-style-type: none">• PLO1 : Business Knowledge• PLO2 : Problem Solving
Team Project Assessment Format: Group	25%	Start Date: 11/03/2024 01:00 PM Due Date: 05/04/2024 01:00 PM Post Date: 05/04/2024 05:00 PM	<ul style="list-style-type: none">• PLO1 : Business Knowledge• PLO2 : Problem Solving• PLO3 : Business Communication• PLO4 : Teamwork• PLO7 : Leadership Development
Final Exam Assessment Format: Individual	40%	Start Date: to be confirmed Due Date: to be confirmed	<ul style="list-style-type: none">• PLO1 : Business Knowledge• PLO2 : Problem Solving• PLO6 : Global and Cultural Competence

Assessment Details

Community of Practice Contribution

Assessment Overview

The Community of Practice Contribution is comprised of your involvement and contribution to the learning community of this course, as assessed through tutorials/workshops, team presentations, in-class scrum meetings and discussion forums. You are expected to be actively involved in online and face-to-face learning communities as you engage with your tutor and your

peers. This assessment is designed to develop your skills in communication, collaboration, time management and personal organisation. The mark you receive for this assessment will reflect the extent to which you have contributed to workshops and forums, as well as the level of preparation evident in your participation.

Assesses: PL01, PL02, PL03, PL04, PL05

Course Learning Outcomes

- CLO1 : Examine the core information systems components in digital transformation.
- CLO4 : Evaluate and apply different approaches in developing and implementing information systems projects.
- CLO5 : Critically analyse a range of cultural, security, privacy and ethical issues faced by individuals and organisations in the context of information systems transformations.
- CLO6 : Work collaboratively and effectively as part of a team to deliver an information systems transformation.

Detailed Assessment Description

Details and mechanics are outlined on Moodle and will be discussed on your Week 1 Lecture

Assessment Length

varies weekly

Submission notes

not applicable

Assessment information

Refer to Moodle for further details

Assignment submission Turnitin type

This is not a Turnitin assignment

Critical Thinking Analysis

Assessment Overview

The Critical Thinking Analysis focuses on identifying a business, community or society problem, analysing the problem and its causes in a given business environment, and reporting on the identified problem. Further details and requirements will be made available on Moodle.

Assesses: PL01, PL02

Course Learning Outcomes

- CLO1 : Examine the core information systems components in digital transformation.

- CLO3 : Produce logical and well-justified plans for the leveraging of information systems tools to optimise organisational efficiency and effectiveness and to compete in a global marketplace.
- CLO5 : Critically analyse a range of cultural, security, privacy and ethical issues faced by individuals and organisations in the context of information systems transformations.

Detailed Assessment Description

This is a written case report. Case details are available on Week 2 and due Friday of Week 4.

Requirements and mechanics are outlined on Moodle and will be discussed on your Week 2 Lecture

Assessment Length

1,500 words maximum

Submission notes

Word document only

Assessment information

Further details will be published in Moodle

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

Team Project

Assessment Overview

The Team Project involves working as a group to produce a proposal and analysis document for a business and then present the technology proposal. The full case details and requirements will be made available on Moodle. Submission of all project components must be accompanied by a signed cover page (by all group members) provided on Moodle.

Assesses: PLO1, PLO2, PLO3, PLO4, PLO7

Course Learning Outcomes

- CLO2 : Evaluate both external and internal business environment models and processes, and apply them to formulate sound digital strategies.
- CLO3 : Produce logical and well-justified plans for the leveraging of information systems tools to optimise organisational efficiency and effectiveness and to compete in a global marketplace.
- CLO5 : Critically analyse a range of cultural, security, privacy and ethical issues faced by individuals and organisations in the context of information systems transformations.

- CLO6 : Work collaboratively and effectively as part of a team to deliver an information systems transformation.

Detailed Assessment Description

This is a Team based written case report. Each team comprised of 3 or 4 members.

Case details are available on Week 5 and due Friday of Week 8.

Requirements and mechanics are outlined on Moodle and will be discussed on your Week 5 Lecture

Assessment Length

3,500 words maximum

Submission notes

word document only

Assessment information

Further details will be published on Moodle

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

Final Exam

Assessment Overview

The Final Exam will enable you to demonstrate that you have achieved all of the learning objectives for this course. The exam will cover all material addressed in the course, including lectures, tutorials/workshops, prescribed textbook and additional materials used. This assessment will be held during the official examination period.

Assesses: PL01, PL02, PL06

Course Learning Outcomes

- CLO2 : Evaluate both external and internal business environment models and processes, and apply them to formulate sound digital strategies.
- CLO4 : Evaluate and apply different approaches in developing and implementing information systems projects.
- CLO5 : Critically analyse a range of cultural, security, privacy and ethical issues faced by individuals and organisations in the context of information systems transformations.

Detailed Assessment Description

Invigilated exam on university scheduled time and location.

Assessment Length

to be confirmed

Submission notes

to be confirmed

Assessment information

Final exam details will be published on Moodle

Assignment submission Turnitin type

Not Applicable

General Assessment Information

As a student at UNSW you are expected to display [academic integrity](#) in your work and interactions. Where a student breaches the [UNSW Student Code](#) with respect to academic integrity, the University may take disciplinary action under the Student Misconduct Procedure. To assure academic integrity, you may be required to demonstrate reasoning, research and the process of constructing work submitted for assessment.

To assist you in understanding what academic integrity means, and how to ensure that you do comply with the UNSW Student Code, it is strongly recommended that you complete the [Working with Academic Integrity](#) module before submitting your first assessment task. It is a free, online self-paced Moodle module that should take about one hour to complete.

You are expected to complete all assessment tasks for your courses in the School of Information Systems and Technology Management. Classes are highly practical and relevant to your assessments, so you are expected to attend at least 80% of all scheduled classes.

Where group assignments are used, team members are expected to work in a harmonious and professional fashion, which includes adequate management of non-performing members. You should inform your tutor as soon as possible if you experience problems within a project team. You may be required to evaluate the contribution of each team member (including yourself) in group work and marks for individual students may be adjusted based on peer assessment.

Grading Basis

Standard

Requirements to pass course

Must achieve a composite mark of 50 to pass the course

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 12 February - 18 February	Lecture	Importance of MIS and Digital Capabilities *This is an in-person (Face to Face) Lecture
	Tutorial	Importance of MIS and Digital Capabilities *This is an in-person (Face to Face) Tutorial
Week 2 : 19 February - 25 February	Lecture	Organisational Strategy and Competitive Advantage *This is an in-person (Face to Face) Lecture
	Tutorial	Organisational Strategy and Competitive Advantage *This is an in-person (Face to Face) Tutorial
Week 3 : 26 February - 3 March	Lecture	Business Models *This is an ONLINE lecture
	Tutorial	Business Models *This is an in-person (Face to Face) Tutorial
Week 4 : 4 March - 10 March	Lecture	Enterprise Resource Planning (ERP) Systems Supply Chain Management (SCM) Systems *This is a Face to Face (in person) Lecture
	Tutorial	Enterprise Resource Planning (ERP) Systems Supply Chain Management (SCM) Systems *This is an in-person (Face to Face) Tutorial
Week 5 : 11 March - 17 March	Lecture	Customer Relationship Management (CRM) System Social Computing *This is an ONLINE Lecture
	Tutorial	Customer Relationship Management (CRM) System Social Computing *This is an in-person (Face to Face) Tutorial
Week 6 : 18 March - 24 March	Lecture	Project Management Building Information Systems *This is an Face to Face (in person lecture) Note: April 1 is a public holiday.
	Other	Recharge and consolidation week No tutorials this week Please refer to Class Moodle to Industry Engagement session and project consultation schedule and details
Week 7 : 25 March - 31 March	Lecture	Business Intelligence Decision Making *This is an ONLINE lecture
	Tutorial	Business Intelligence Decision Making *This is an in-person (Face to Face) Tutorial
Week 8 : 1 April - 7 April	Lecture	Public Holiday - Easter Monday (no classes on April 8) This Lecture is instead moved up to Week 6
	Tutorial	Building Information Systems Project Management *This is an in-person (Face to Face) Tutorial
Week 9 : 8 April - 14 April	Lecture	IS Security, Privacy and Ethics This Lecture is ONLINE
	Tutorial	IS Security, Privacy and Ethics *This is an in-person (Face to Face) Tutorial
Week 10 : 15 April - 21 April	Lecture	Dynamic Capability of Organisations Course Consolidation *This is an in-person (Face to Face) Lecture
	Tutorial	Dynamic Capability of Organisations Course Consolidation *This is an in-person (Face to Face) Tutorial

Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

General Schedule Information

Lectures in Weeks 1,2,4,6 and 10 are taught in person (Face to face).

Lectures in Weeks 3,5,7 and 9 are taught Online.

All tutorials are taught in person in all 10 weeks with the exception of Week 6.

Course Resources

Prescribed Resources

The prescribed textbook for the course is:

Management Information Systems, Australian Edition (1st Edition), Gray, H., Issa, T., Pye, G., Troshani, I., Rainer, K., Prince, B., and Watson, H. Wiley, 2015, ISBN: 9780730363309. This textbook is necessary to help you to prepare for Lectures, Tutorial Preparation and Participation, as well as help you prepare for the Final Examination.

Recommended Resources

Additional (non-compulsory textbook):

Experiencing MIS, Eighth Edition Global Edition, 2019 by Kroenke, David and Boyle, Randall Pearson Australia Custom Publication [ISBN: 978129226698-5].

Additional Costs

Not applicable

Course Evaluation and Development

Feedback is regularly sought from students and continual improvements are made based on this feedback. At the end of this course, students will be asked to complete the myExperience survey, which provides a key source of student evaluative feedback. Students input into this quality enhancement process is extremely valuable in assisting us to meet the needs of our students and provide an effective and enriching learning experience.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Lecturer	Chona Ryan		Quad 2082A	chona.ryan@u nsw.edu.au	Business hours 9am to 5pm	No	Yes

Other Useful Information

Academic Information

COURSE POLICIES AND SUPPORT

The Business School expects that you are familiar with the contents of this course outline and the UNSW and Business School learning expectations, rules, policies and support services as listed below:

- Program Learning Outcomes
- Academic Integrity and Plagiarism
- Student Responsibilities and Conduct
- Special Consideration
- Protocol for Viewing Final Exam Scripts
- Student Learning Support Services

Further information is provided on the [key policies and support page](#).

Students may not circulate or post online any course materials such as handouts, exams, syllabi or similar resources from their courses without the written permission of their instructor.

STUDENT LEARNING OUTCOMES

The Course Learning Outcomes (CLOs) – under the Outcomes tab – are what you should be able to demonstrate by the end of this course, if you participate fully in learning activities and successfully complete the assessment items.

CLOs also contribute to your achievement of the Program Learning Outcomes (PLOs), which are developed across the duration of a program. PLOs are, in turn, directly linked to [UNSW graduate capabilities](#). More information on Coursework PLOs is available on the [key policies and support page](#). For PG Research PLOs, including MPDBS, please refer to the [UNSW HDR Learning Outcomes](#).

Academic Honesty and Plagiarism

As a student at UNSW you are expected to display [academic integrity](#) in your work and interactions. Where a student breaches the [UNSW Student Code](#) with respect to academic integrity, the University may take disciplinary action under the Student Misconduct Procedure. To assure academic integrity, you may be required to demonstrate reasoning, research and the process of constructing work submitted for assessment.

To assist you in understanding what academic integrity means, and how to ensure that you do comply with the UNSW Student Code, it is strongly recommended that you complete the [Working with Academic Integrity](#) module before submitting your first assessment task. It is a free, online self-paced Moodle module that should take about one hour to complete.

Submission of Assessment Tasks

SPECIAL CONSIDERATION

You can apply for special consideration when illness or other circumstances beyond your control interfere with your performance in a specific assessment task or tasks, including online exams. Students studying remotely who have exams scheduled between 10pm and 7am local time, are also able to apply for special consideration to sit a supplementary exam at a time outside of these hours.

Special consideration is primarily intended to provide you with an extra opportunity to demonstrate the level of performance of which you are capable. To apply, and for further information, see Special Consideration on the UNSW [Current Students](#) page.

Special consideration applications will be assessed centrally by the Case Review Team, who will update the online application with the outcome and add any relevant comments. The change to the status of the application immediately sends an email to the student and to the assessor with the outcome of the application.

Please note the following:

1. Applications can only be made through Online Services in myUNSW (see the UNSW [Current Students](#) page). Applications will not be accepted by teaching staff. The lecturer-in-charge/course coordinator will be automatically notified when your application is processed.
2. Applying for special consideration does not automatically mean that you will be granted a

- supplementary exam or other concession.
3. If you experience illness or misadventure in the lead up to an exam or assessment, you must submit an application for special consideration, either prior to the examination taking place, or prior to the assessment submission deadline, except where illness or misadventure prevent you from doing so.
 4. If your circumstances stop you from applying before your exam or assessment due date, you must apply within 3 working days of the assessment or the period covered by your supporting documentation.
 5. Under the UNSW Fit To Sit/Submit rule, if you sit the exam/submit an assignment, you are declaring yourself well enough to do so and are cannot subsequently apply for special consideration.
 6. If you become unwell on the day of – or during – an exam, you must stop working on your exam, advise your course coordinator or tutor and provide a medical certificate dated within 24 hours of the exam, with your special consideration application. For online exams, you must contact your course coordinator or tutor immediately via email, Moodle or chat and advise them you are unwell and submit screenshots of your conversation along with your medical certificate and application.
 7. Special consideration requests do not allow the awarding of additional marks to students.

Further information on Business School policy and procedure can be found under “Special Consideration” on the [key policies and support](#) page.

LATE SUBMISSION PENALTIES

For assessments other than examinations, late submission will incur a penalty of 5% per day or part thereof (including weekends) from the due date and time. An assessment will not be accepted after 5 days (120 hours) of the original deadline unless special consideration has been approved. An assignment is considered late if the requested format, such as hard copy or electronic copy, has not been submitted on time or where the ‘wrong’ assignment has been submitted.

For assessments which account for 10% or less of the overall course grade, and where answers are immediately discussed or debriefed, the LIC may stipulate a different penalty. Details of such late penalties will be available on the course Moodle page.

FEEDBACK ON YOUR ASSESSMENT TASK PERFORMANCE

Feedback on student performance from formative and summative assessment tasks will be provided to students in a timely manner. Assessment tasks completed within the teaching period of a course, other than a final assessment, will be assessed and students provided with

feedback, with or without a provisional result, within 10 working days of submission, under normal circumstances. Feedback on continuous assessment tasks (e.g. laboratory and studio-based, workplace-based, weekly quizzes) will be provided prior to the midpoint of the course.

Faculty-specific Information

PROTOCOL FOR VIEWING FINAL EXAM SCRIPTS

UNSW students have the right to view their final exam scripts, subject to a small number of very specific exemptions. The UNSW Business School has set a [protocol](#) under which students may view their final exam script. Individual schools within the Faculty may also set up additional local processes for viewing final exam scripts, so it is important that you check with your School.

If you are completing courses from the following schools, please note the additional school-specific information:

- Students in the **School of Accounting, Auditing & Taxation** who wish to view their final examination script should also refer to [this page](#).
- Students in the **School of Banking & Finance** should also refer to [this page](#).
- Students in the **School of Information Systems & Technology Management** should also refer to [this page](#).

COURSE EVALUATION AND DEVELOPMENT

Feedback is regularly sought from students and continual improvements are made based on this feedback. At the end of this course, you will be asked to complete the [myExperience survey](#), which provides a key source of student evaluative feedback. Your input into this quality enhancement process is extremely valuable in assisting us to meet the needs of our students and provide an effective and enriching learning experience. The results of all surveys are carefully considered and do lead to action towards enhancing educational quality.

QUALITY ASSURANCE

The Business School is actively monitoring student learning and quality of the student experience in all its programs. A random selection of completed assessment tasks may be used for quality assurance, such as to determine the extent to which program learning goals are being achieved. The information is required for accreditation purposes, and aggregated findings will be used to inform changes aimed at improving the quality of Business School programs. All material used for such processes will be treated as confidential.

TEACHING TIMES AND LOCATIONS

Please note that teaching times and locations are subject to change. Students are strongly advised to refer to the [Class Timetable website](#) for the most up-to-date teaching times and locations.