UNSW Course Outline

INFS5704 Artificial Intelligence Fluency - 2024

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General Course Information

Course Code : INFS5704
Year : 2024
Term : Term 3
Teaching Period : T3C
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

<u>Useful Links</u>

<u>Handbook</u> <u>Class Timetable</u>

Course Details & Outcomes

Course Description

This interactive and engaging course is designed to provide students with a comprehensive understanding of artificial intelligence (AI) and its real-world applications. The course aims to give students a historical overview of the development of AI and its underlying concepts, to

understand its current and potential impact on individuals, organisations, and society, and to analyse and discuss the future of AI and its potential applications. Additionally, the course will equip students with the knowledge to use AI for productivity and creativity and to engage with AI responsibly, considering ethical considerations and responsibilities. Moreover, the course will be accessible to students without a technical background in mathematics and computer science. No prior knowledge of AI is required.

Offering Terms

Term 3 Teaching Period T3C

Exclusion Courses

INFS2604 Artificial Intelligence Fluency

Fees

(Type and Amount)

Commonwealth Supported Students (if applicable): $1119

Domestic Students: $4770

International Students: $7020

Course Aims

1. Students will gain a historical understanding of the development and evolution of AI technology and its underlying concepts.
2. Students will be able to apply knowledge of AI to real-world scenarios to improve productivity and creativity in both professional and personal contexts.
3. Students will be able to analyse and discuss the future of AI, its potential applications in various industries and sectors and how it will impact the future of work.
4. Students will understand AI's current and potential impact on individuals, organisations, and society and evaluate the benefits and potential risks associated with its use.
5. Students will foster critical thinking and analysis skills, allowing them to evaluate and communicate AI's ethical, social, and economic implications.

Course Learning Outcomes

Course Learning Outcomes	Program learning outcomes
CLO1 : Explain the historical development and evolution of AI technology and its underlying concepts.	• PLO1 : Business Knowledge • PLO3 : Business Communication
CLO2 : Collaborate with AI to improve productivity and creativity in real-world scenarios.	• PLO2 : Problem Solving • PLO3 : Business Communication
CLO3 : Evaluate the potential benefits and risks associated with using AI in individuals, organisations, and society.	• PLO2 : Problem Solving • PLO5 : Responsible Business Practice
CLO4 : Analyse the future of AI and its potential applications in various industries and sectors.	• PLO2 : Problem Solving • PLO6 : Global and Cultural Competence
CLO5 : Evaluate and communicate AI's ethical, social, and economic implications globally.	• PLO2 : Problem Solving • PLO5 : Responsible Business Practice

Course Learning Outcomes	Assessment Item
CLO1 : Explain the historical development and evolution of AI technology and its underlying concepts.	• Quizzes
CLO2 : Collaborate with AI to improve productivity and creativity in real-world scenarios.	• Portfolio and Reflections
CLO3 : Evaluate the potential benefits and risks associated with using AI in individuals, organisations, and society.	• Class Presentations • Quizzes • Portfolio and Reflections
CLO4 : Analyse the future of AI and its potential applications in various industries and sectors.	• Class Presentations • Quizzes • Portfolio and Reflections
CLO5 : Evaluate and communicate AI's ethical, social, and economic implications globally.	• Class Presentations • Portfolio and Reflections

Learning and Teaching Technologies

Moodle - Learning Management System | Echo 360

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Class Presentations Assessment Format: Group	30%	
Quizzes Assessment Format: Individual	20%	
Portfolio and Reflections Assessment Format: Individual	50%	

Assessment Details

Class Presentations

Assessment Overview

Students will engage in various presentation activities within their teams. These activities may include presenting insights on a piece of online material (such as a movie, documentary, podcast, video, or article) provided each week, participating in debates, or other forms of knowledge dissemination. Presentations will be evaluated continuously, allowing students to incorporate feedback from their peers to refine and enhance their slides and discussions. This ongoing improvement process will be reflected in the knowledge sharing final submission. A final debate submission containing insights from the debates should also be submitted.

Course Learning Outcomes

- CLO3 : Evaluate the potential benefits and risks associated with using AI in individuals, organisations, and society.
- CLO4 : Analyse the future of AI and its potential applications in various industries and sectors.
- CLO5 : Evaluate and communicate AI's ethical, social, and economic implications globally.

Generative AI Permission Level

Simple Editing Assistance

In completing this assessment, you are permitted to use standard editing and referencing functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.

If your Convenor has concerns that your submission contains passages of AI-generated text or media, you may be asked to account for your work. If you are unable to satisfactorily

demonstrate your understanding of your submission you may be referred to UNSW Conduct & Integrity Office for investigation for academic misconduct and possible penalties.

For more information on Generative AI and permitted use please see [here](#).

Quizzes

Assessment Overview

In this assessment, students will take quizzes to test their knowledge, understanding of course material, and ability to apply key concepts to new scenarios. These quizzes will take place in class.

Course Learning Outcomes

- CLO1 : Explain the historical development and evolution of AI technology and its underlying concepts.
- CLO3 : Evaluate the potential benefits and risks associated with using AI in individuals, organisations, and society.
- CLO4 : Analyse the future of AI and its potential applications in various industries and sectors.

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Portfolio and Reflections

Assessment Overview

For this AI portfolio assignment, students will use AI to develop an application or learn a skill. The portfolio should demonstrate the student's ability to apply AI tools and techniques to real-world scenarios, assess the impact of AI on individuals, organisations, and society, evaluate ethical considerations and responsibilities associated with AI use, and showcase examples of

using AI for productivity and creativity. The portfolio should also reflect the student's growth and development in their understanding of AI and its applications and their ability to think critically about AI and its impact on the future. The portfolio provides a valuable opportunity for students to demonstrate their understanding of AI and its applications and to showcase their skills and knowledge in a meaningful and tangible way.

Course Learning Outcomes

- CLO2 : Collaborate with AI to improve productivity and creativity in real-world scenarios.
- CLO3 : Evaluate the potential benefits and risks associated with using AI in individuals, organisations, and society.
- CLO4 : Analyse the future of AI and its potential applications in various industries and sectors.
- CLO5 : Evaluate and communicate AI's ethical, social, and economic implications globally.

Generative AI Permission Level

Simple Editing Assistance

In completing this assessment, you are permitted to use standard editing and referencing functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.

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General Assessment Information

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 18 November - 24 November	Lecture	Lecture 1 - The exciting world of Artificial Intelligence
	Tutorial	Tutorial 1 - Intro to Prompt Engineering
	Lecture	Lecture 2 - History & Foundational Concepts
	Tutorial	Tutorial 2 - AI for Writing
	Lecture	Lecture 3 - Generative AI
	Tutorial	Tutorial 3 - AI in Art & Multimedia
Week 2 : 25 November - 1 December	Lecture	Lecture 4 - Supervised Learning
	Tutorial	Tutorial 4 - AI for Research & Industry
	Lecture	Lecture 5 - Unsupervised & Reinforcement Learning
	Tutorial	Tutorial 5 - AI for Ideation & Innovation
	Lecture	Lecture 6 - Responsible AI
	Tutorial	Tutorial 6 - Using AI Responsibly
Week 3 : 2 December - 8 December	Lecture	Lecture 7 - AI as Humans
	Tutorial	Tutorial 7 - Debate 1 - Responsible AI
	Lecture	Lecture 8 - AI and Creativity
	Tutorial	Tutorial 8 - Using AI for Creativity
	Lecture	Lecture 9 - The Future of AI
	Tutorial	Tutorial 9 - Debat 2 - AI & Creativity

Attendance Requirements

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

Course Resources

Prescribed Resources

All required resources will be available on the course webpage.

Recommended Resources

All recommended resources will be available on the course webpage.

Additional Costs

There will be no additional costs for this course.

Course Evaluation and Development

This is a newly developed course to help you engage more with the exciting world of AI.

Feedback will be sought regularly, as we want the course to be shaped both by the advancement of technology as well as your interests.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Chedia Dhaoui		Room 2110, Quadrangle Building	+61-2-9348 0195		No	Yes
Lecturer	Alba Olivares Nadal					No	No
	Jason Xianghua Wu					No	No
	Xiangyu Wang					No	No

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 Policies and Guidelines 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 Policies and Guidelines page. For PG Research PLOs, including MPDBS, please refer to UNSW HDR learning outcomes.

Academic Honesty and Plagarism

As a student at UNSW you are expected to display academic integrity in your work and interactions. Where a student breaches the UNSW Code of Conduct with respect to academic integrity, the University may take disciplinary action. 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 Code of Conduct, 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

SHORT EXTENSIONS

Short Extension is a new process that allows you to apply for an extended deadline on your assessment without the need to provide supporting documentation, offering immediate approval during brief, life-disrupting events. Requests are automatically approved once submitted.

Short extensions are ONLY available for some assessments. Check your course outline or Moodle to see if this is offered for your assessments. Where a short extension exists, all students enrolled in that course in that term are eligible to apply. Further details are available the UNSW Current Students page.

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. Special consideration is primarily intended to provide you with an extra opportunity to demonstrate the level of performance of which you are capable.

Applications can only be made online and will NOT be accepted by teaching staff. 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. The majority of applications will be processed within 3-5 working days.

For further information, and to apply, see Special Consideration on the UNSW [Current Students](#) page.

LATE SUBMISSION PENALTIES

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. In the case of an approved Equitable Learning Plan (ELP) provision, special consideration or short extension, the late penalty applies from the date of approved time extension. After five days from the extended deadline, the assessment cannot be submited.

An assessment is considered late if the requested format, such as hard copy or electronic copy, has not been submitted on time or where the 'wrong' assessment 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.