Faculty of Business and Law

MIS715 Responsible Artificial Intelligence

Deakin University Unit Guide

Trimester 1, 2025

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Welcome

The rapid development of artificial intelligence (AI), machine learning, and automation are affecting almost every aspect of modern society. The new technologies not only have significant impacts on how people, businesses, and on how societies operate but also raise societal and ethical problems for organisations and societies. This unit aims to equip students with the knowledge and skills to understand and evaluate the social and ethical issues raised by AI technologies in various contexts. Students will critically examine, analyse, and apply ethical and governance perspectives to the design, development, and deployment of AI technologies responsibly.

This Unit Guide provides you with the key information about this unit. Please read it carefully and refer to it frequently throughout the study period. Your unit site also provides information about your rights and responsibilities. We will assume you have read this before the unit commences, and we expect you to refer to it throughout the study period.

To be successful in this unit, you must:

- read all materials in preparation for your learning activities and follow up each with further study and research on the topic
- start your assessment tasks well ahead of the due date
- read or listen to all feedback carefully and use it in your future work
- attend and engage in all educator facilitated (scheduled) learning activities and other learning experiences as part of the unit design

Who is the unit team?

Unit chair: leads the teaching team and is responsible for overall delivery of this unit

Unit chair details

Name: Van-Hau Trieu

Campus: Melbourne Burwood
Email: t.trieu@deakin.edu.au
Phone: +61 3 924 46878

Administrative queries

- Check-out the 'Need Help?' section on your unit site
- Contact your Unit Chair or Campus Leader
- Drop in or contact Student Central to speak with a Student Adviser

For additional support information, please see the Rights and Responsibilities section under 'Content' in your unit site.

About this unit

Unit development in response to student feedback

Every trimester, we ask students to tell us, through eVALUate, what helped and hindered their learning in each unit. You are strongly encouraged to provide constructive feedback for this unit when eVALUate opens (you will be emailed a link).

In previous versions of this unit, students have told us that these aspects of the unit have helped them to achieve the learning outcomes:

- Readings for the unit are very helpful.
- Multiple sources of learning materials, including chat boards and discussion forums are available for weekly discussion.

The following aspects of the unit have been introduced, enhanced or retained in response to feedback from students who have undertaken this unit in previous trimesters:

- Offering online after-hours seminars.

If you have any concerns about the unit during the trimester, please contact the unit teaching team - preferably early in the trimester - so we can discuss your concerns, and make adjustments, if appropriate.

Learning Outcomes

Each unit in your course is a building block towards Deakin's Graduate Learning Outcomes - not all units develop and assess every Graduate Learning Outcome (GLO).

ULO	These are the Unit Learning Outcomes (ULOs) for this unit. At the completion of this unit, successful students can:	Alignment to Deakin Graduate Learning Outcomes (GLOs)
ULO1	Evaluate the social and ethical issues raised by AI technologies.	GLO1: Discipline-specific knowledge and capabilities GLO8: Global citizenship
ULO2	Explain and justify the implications of emerging ethical and regulatory concerns.	GLO1: Discipline-specific knowledge and capabilities GLO4: Critical thinking
ULO3	Critically examine, analyse, and apply ethical and governance perspectives to design, develop and deploy AI technologies responsibly.	GLO1: Discipline-specific knowledge and capabilities GLO4: Critical thinking
ULO4	Convincingly argue, orally and in writing to communicate perspectives to non-technical professionals, business decision-makers, and the community at large.	GLO2: Communication

These Unit Learning Outcomes are applicable for all teaching periods throughout the year.

Assessing your achievement of the unit learning outcomes

Summative assessment (tasks that will be graded or marked)

NOTE: It is *your responsibility* to keep a backup copy of every assignment and the materials used to develop/complete it where possible (e.g. written/digital reports, essays, videos, images). In the unusual event that one of your submissions becomes corrupted, is incorrectly submitted or otherwise lost, you may be asked to submit the backup copy. Any work you submit may be checked by electronic or other means for the purposes of detecting breaches of academic integrity such as collusion, plagiarism and contract cheating. You must understand your responsibility to act with honesty and integrity in your studies as Deakin takes all breaches very seriously. Make sure you read Your rights and responsibilities as a student in this unit to find out more about academic integrity.

Deakin has a universal assessment submission time of 8 pm AEDT/AEST. A late penalty will apply to assessments submitted

after 11.59 pm AEDT/AEST.

Summative assessment task 1

Title	**Report (Business) (Individual)**
Brief description of assessment task	In this individual assignment, students will evaluate the ethical issues associated with a provided case study of a company's proposed implementation of a specific AI technology. Students will execute an analysis of the proposed AI project by applying a governance framework to the organisation.
Detail of student output	Report (2000 words)
Grading and weighting (% total mark for the unit)	40%
This task assesses your achievement of these Unit Learning outcomes	ULO1: Evaluate the social and ethical issues raised by AI technologies. The report requires students to evaluate the social and ethical issues raised by AI technologies within the context of the provided case study. ULO3: Critically examine, analyse, and apply ethical and governance perspectives to design, develop and deploy AI technologies responsibly. The report requires students to critically examine, analyse, and apply ethical and governance perspectives to the responsible design, development, and deployment of AI technologies within the context of the provided case study ULO4: Convincingly argue, orally and in writing to communicate perspectives to non-technical professionals, business decision-makers, and the community at large. The report requires students to effectively articulate and defend arguments in a written form to communicate complex ideas and perspectives on AI-related issues to diverse audiences, including non-technical professionals, business decision-makers, and the broader community.
This task assesses your achievement of these Graduate Learning Outcome(s)	GLO1: Discipline-specific knowledge and capabilities The report covers a range of responsible AI governance and ethical principles. GLO2: Communication In the form of written arguments. GLO4: Critical thinking Students are required to provide a critical evaluation, analysis, and application of ethical and governance perspectives to design, develop and deploy AI technologies responsibly. GLO8: Global citizenship Students are required to critically engage with the societal, ethical, and cross-cultural implications of AI technologies
How and when you will receive feedback on your work	Students can expect feedback on each summative assessment in time to help them improve for the subsequent assessment. Students will receive feedback within 15-working days from the deadline of submitting the assignment.
When and how to submit your work	Online submission via the Unit site. Due by 8pm AEDT, Friday 25 April 2025.

Summative assessment task 2

Title	**Report (Research) and Presentation (Online) (Individual)**

Brief description of assessment task	Part A: Report (Research) Part B: Presentation (Online) Students will complete two tasks: A research report and a video presentation. The written report (Part A) will be prepared for large organisations and will justify AI responsible principles will address large organisation interests. The video presentation (Part B) will be prepared for AI users (e.g., employees, customers, job applicants, etc.) and justify that the ethical principles will address their interests.
Detail of student output	Part A: 2000 words Part B: 7 minutes
Grading and weighting (% total mark for the unit)	Part A: 40% Part B: 20%
This task assesses your achievement of these Unit Learning outcomes	ULO2: Explain and justify the implications of emerging ethical and regulatory concerns. Students are required to explain and justify the implications of emerging ethical and regulatory concerns related to responsible AI principles, providing actionable recommendations to help large organisations address and mitigate AI-related risks and challenges effectively. ULO3: Critically examine, analyse, and apply ethical and governance perspectives to design, develop and deploy AI technologies responsibly. The report and presentation require students to critically examine, analyse, and apply ethical and governance frameworks and responsible AI principles to the responsible design, development, and deployment of AI technologies in the provided context of the case study. ULO4: Convincingly argue, orally and in writing to communicate perspectives to non-technical professionals, business decision-makers, and the community at large. The report and the presentation require students to effectively articulate and defend arguments, both orally and in writing, to communicate complex ideas and perspectives on AI-related issues to diverse audiences, including technical professional, non-technical professionals, business decision-makers, and the broader community.
This task assesses your achievement of these Graduate Learning Outcome(s)	GLO1: Discipline-specific knowledge and capabilities The report and presentation cover a comprehensive range of responsible AI governance and ethical principles GLO2: Communication In the form of an oral and written arguments. GLO4: Critical thinking Students are required to provide a critical evaluation, analysis, and application of AI ethical and governance principles to design, develop and deploy AI technologies responsibly.
How and when you will receive feedback on your work	Students can expect feedback on each summative assessment in time to help them improve for the subsequent assessment. Students will receive feedback within 15-working days from the deadline of submitting the assignment.
When and how to submit your work	Online submission via the Unit site. Due by 8pm AEDT, Friday 30 May 2025.

Your learning experiences in this unit

Your learning experiences in this unit - and your expected commitment

Educator-facilitated (scheduled) learning activities - on-campus unit enrolment

1 x 1.5 hour on-campus (livestreamed) lecture (recordings provided) and 1 x 1.5 hour on-campus seminar each week

Educator-facilitated (scheduled) learning activities - online unit enrolment

1 x 1.5 hour recorded lecture provided and 1 x 1.5 hour online seminar (recordings provided) each week

Typical study commitment

Students will on average spend 150 hours over the trimester undertaking the teaching, learning and assessment activities for this unit.
This will include educator guided online learning activities within the unit site.

Note

At Deakin, courses are delivered within a learning environment that provides all students with equitable and consistent access to facilities, infrastructure, resources, and support to assist student progress and achievement of learning outcomes.

We have introduced new terms to reflect learning activities to enhance your learning experience, aligning with our innovative **DeakinDesign learning principles and practices**. The new terms better reflect how teaching teams will guide you through your learning journey and the types of learning experiences you will have.

'Lectures' are the activities where teaching staff engage you through presentations with student participation.

In **'seminars'**, an educator will guide you in a smaller group of students through highly interactive discussions and activities.

Your units may also include '**practical experiences**' such as '**laboratory**', '**workshops**', '**clinical skills**' and more. These hands-on activities typically take place in specialised facilities with industry tools, equipment or technology to allow you to apply your knowledge practically.

Some other terms

If you see a '**meeting**' in your timetable, this is an optional drop-in session.

'Assessments' or **'team-based learning**' indicate an in-class evaluation of your skills or knowledge. A **'pre-assessment practice'** could be scheduled to prepare you for these assessments.

Find out more

Take a look at the **Learning activities webpage** for a full list of the terminology changes and reasons they were changed.

Unit learning resources

Your unit learning resources can be accessed from your unit site.

Resource	Description
Assessment resources	While Assessment 1 will be published in Week 3, Assignment 2 will be released in Week 5 on the Unit site.
Online classrooms	Links to attend weekly live-streamed classes and online seminars are available on the Unit site.
Class recordings	Class and seminar recordings will be made available on Fridays on the Unit site.

The texts and reading list for MIS715 can be found via the University Library.

Note: Select the relevant trimester reading list. Please note that a future teaching period's reading list may not be available until a month prior to the start of that teaching period so you may wish to use the relevant trimester's prior year reading list as a guide only.

Essential learning resources

There is no prescribed text for this unit, however you will require online access. University specifications for online communication and computer standards are listed in the University Handbooks.

Recommended learning resources

The Deakin Software Library provides students with access to software that you may need or find useful for your study at Deakin.
The following is a range of suggested additional references that you may find useful at times during the study of this unit:

- Blackman, R, Ethical Machines : Your Concise Guide to Totally Unbiased, Transparent, and Respectful AI (Harvard Business Review Press, 2022)

Where to access unit resources

Textbooks can be sourced from various outlets including direct from the publisher, online bookshops, or retailers. Limited copies of textbooks are also available on loan from the University Library.

Key dates for this study period

Trimester 1 teaching period begins	Monday 3 March 2025
Census date	Monday 31 March 2025
Easter/intra-trimester break	Friday 18 April - Sunday 27 April 2025
Trimester 1 teaching period ends	Friday 23 May 2025
Study period (end-of-unit assessment /examination preparation period)	Monday 26 May - Friday 30 May 2025
End-of-unit assessment and examination period	Monday 2 June - Friday 13 June 2025
Inter-trimester break (the period between trimesters)	Monday 16 June - Friday 4 July 2025
Unit results released	Thursday 3 July 2025 (10.30 am)

Unit weekly activities

Week	Commencing	Topic	Special learning activities	Assessment due date
1	3 March 2025	1	Getting Started, and Introduction to Artificial Intelligence (AI)	
2#	10 March 2025	2	Introduction to Responsible AI	
3	17 March 2025	3	Impacts of Automation: Fairness, Equity, and Discrimination in Automated Decision-Making	

Week	Commencing	Topic	Special learning activities	Assessment due date
4	24 March 2025	4	Taking Responsibility: Accountability, Responsibility, and Transparency of AI	
5	31 March 2025	5	Ethical Theories and Concepts, and Their Relation to AI	
6	7 April 2025	6	Ethical Challenges and Framework for Designing, Developing, and Deploying AI Responsibly	Assignment 1 is due on the 25 April, 2025
7^~	14 April 2025	7	Governance for Responsible AI	
8	28 April 2025	8	Human Rights and Dignity and Their relation to AI	
9	5 May 2025	9	Guest Lecture/Self-Study	
10	12 May 2025	10	Super-Intelligence	
11	19 May 2025	11	Wrap-up and Revision	Assignment 2 is due on the 30 May, 2025
12	26 May 2025			Study period
13-14*	2 June 2025			End-of-unit assessment and exam period

Labour Day public holiday: **Monday 10 March 2025** - University closed

^ Easter/Intra-trimester break: **Friday 18 April - Sunday 27 April 2025** (between weeks 7 and 8)

~ ANZAC Day public holiday: **Friday 25 April 2025** - University closed

* King's Birthday public holiday: **Monday 9 June 2025** - University closed