



UNSW

UNSW Course Outline

ZEIT8271 Project Report - Decision Analytics Full-Time - 2024

Published on the 09 Feb 2024

General Course Information

Course Code : ZEIT8271

Year : 2024

Term : Semester 1

Teaching Period : Z1

Is a multi-term course? : No

Faculty : UNSW Canberra

Academic Unit : School of Systems and Computing

Delivery Mode : Online

Delivery Format : Standard

Delivery Location : UNSW Canberra at ADFA

Campus : UNSW Canberra

Study Level : Postgraduate

Units of Credit : 12

Useful Links

[Handbook Class Timetable](#)

Course Details & Outcomes

Course Description

This course allows students to undertake a research project worth 12UOC (equivalent of two courses). Students are required to select a research problem, conduct literature review, define the problem with necessary assumptions for formulation, formulate a model that represents the

problem, select and/or develop appropriate solution approaches, collect data and prepare them for the model/problem solving, conduct experiments, analysis results and write report.

Course Aims

The research project allows students to:

- Demonstrate critical analysis of the state of the domain, drawing on current literature in Decision Analytics;
- Demonstrate engagement with the relevant disciplinary knowledge in its interdisciplinary context;
- Apply Decision Analytics methodologies to solve specific practical problems
- Appropriately evaluate solutions and communicate recommendations and other relevant information.

Relationship to Other Courses

The project-based course requires a good understanding on the decision-making tools as taught in other courses in this program.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature in Decision Analytics.
CLO2 : Demonstrate engagement with the relevant disciplinary knowledge in its interdisciplinary context.
CLO3 : Apply Decision Analytics methodologies to solve specific practical problems.
CLO4 : Appropriately evaluate solutions and communicate recommendations and other relevant information.

Course Learning Outcomes	Assessment Item
CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature in Decision Analytics.	<ul style="list-style-type: none">• Topic selection and literature review• Project completion and report submission
CLO2 : Demonstrate engagement with the relevant disciplinary knowledge in its interdisciplinary context.	<ul style="list-style-type: none">• Topic selection and literature review• Project completion and report submission
CLO3 : Apply Decision Analytics methodologies to solve specific practical problems.	<ul style="list-style-type: none">• Project completion and report submission
CLO4 : Appropriately evaluate solutions and communicate recommendations and other relevant information.	<ul style="list-style-type: none">• Project completion and report submission

Learning and Teaching Technologies

Moodle - Learning Management System | Microsoft Teams

Learning and Teaching in this course

A weekly or fortnightly supervision meeting between the project supervisor and the student needs to be organised for this course.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Topic selection and literature review	25%	Start Date: Not Applicable Due Date: 05/04/2024 11:59 PM
Project completion and report submission	75%	Start Date: Not Applicable Due Date: 07/06/2024 11:59 PM

Assessment Details

Topic selection and literature review

Assessment Overview

Topic selection and literature review.

Course Learning Outcomes

- CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature in Decision Analytics.
- CLO2 : Demonstrate engagement with the relevant disciplinary knowledge in its interdisciplinary context.

Assessment Length

Minimum 2500 words.

Submission notes

Submission should be via an email to the project supervisor

Assignment submission Turnitin type

Not Applicable

Project completion and report submission

Assessment Overview

Define problem, formulate problem, develop methodology, validate solutions, and write report

Course Learning Outcomes

- CLO1 : Demonstrate critical analysis of the state of the domain, drawing on current literature in Decision Analytics.
- CLO2 : Demonstrate engagement with the relevant disciplinary knowledge in its interdisciplinary context.
- CLO3 : Apply Decision Analytics methodologies to solve specific practical problems.

- CLO4 : Appropriately evaluate solutions and communicate recommendations and other relevant information.

Assessment Length

Minimum 7500 words.

Submission notes

Submission should be via an email to the project supervisor

Assignment submission Turnitin type

Not Applicable

General Assessment Information

Grading Basis

Standard

Requirements to pass course

The overall passing mark is set at 50% by the university and this must not be varied. However, you must submit all assessments with reasonable work. As of school policy, the final marks in this course may be moderated.

Course Schedule

Attendance Requirements

Not Applicable - as no class attendance is required

Course Resources

Prescribed Resources

Online Sources, such as Google Scholar, Semantic Scholar, Endnote, Science Direct.

Course Evaluation and Development

One of the key priorities in the 2025 Strategy for UNSW is a drive for academic excellence in education. One of the ways of determining how well UNSW is progressing towards this goal is by listening to our own students. Students will be asked to complete the myExperience survey towards the end of this course.

Students can also provide feedback during the semester via: direct contact with the lecturer, the “On-going Student Feedback” link in Moodle, Student-Staff Liaison Committee meetings in

schools, informal feedback conducted by staff, and focus groups. Student opinions really do make a difference. Refer to the Moodle site for this course to see how the feedback from previous students has contributed to the course development.

Important note: Students are reminded that any feedback provided should be constructive and professional and that they are bound by the Student Code of Conduct Policy

<https://www.gs.unsw.edu.au/policy/documents/studentcodepolicy.pdf>

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Discipline coordinator	Ripon Chakra bortty		Room 367, Building 21	+61 2 5114 5133	Tuesday, between 12 and 1.	Yes	Yes

Other Useful Information

Academic Information

Course Evaluation and Development

One of the key priorities in the 2025 Strategy for UNSW is a drive for academic excellence in education. One of the ways of determining how well UNSW is progressing towards this goal is by listening to our own students. Students will be asked to complete the myExperience survey towards the end of each course.

Students can also provide feedback during the semester via: direct contact with the lecturer, the “On-going Student Feedback” link in Moodle, Student-Staff Liaison Committee meetings in schools, informal feedback conducted by staff, and focus groups (where applicable). Student opinions really do make a difference. Refer to the Moodle site for your course to see how the feedback from previous students has contributed to the course development.

Important note: Students are reminded that any feedback provided should be constructive and professional and that they are bound by the Student Code of Conduct.

<https://www.gs.unsw.edu.au/policy/documents/studentcodepolicy.pdf>

Equitable Learning Services (ELS)

Students living with neurodivergent, physical and/or mental health conditions or caring for someone with these conditions may be eligible for support through the Equitable Learning Services team. Equitable Learning Services is a free and confidential service that provides practical support to ensure your mental or physical health conditions do not adversely affect your studies.

Our team of dedicated **Equitable Learning Facilitators (ELFs)** are here to assist you through this process. We offer a number of services to make your education at UNSW easier and more equitable.

Further information about ELS for currently enrolled students can be found at: <https://www.student.unsw.edu.au/equitable-learning>

Academic Honesty and Plagiarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students have a responsibility to adhere to this principle of academic integrity. All students are expected to adhere to UNSW's Student Code of Conduct.

Find relevant information at: [Student Code of Conduct \(unsw.edu.au\)](https://unsw.edu.au/student-code-of-conduct)

Plagiarism undermines academic integrity and is not tolerated at UNSW. It is defined as using the words or ideas of others and passing them off as your own, and can take many forms, from deliberate cheating to accidental copying from a source without acknowledgement.

For more information, please refer to the following:

<https://student.unsw.edu.au/plagiarism>

Submission of Assessment Tasks

Special Consideration

Special Consideration is the process for assessing and addressing the impact on students of short-term events, that are beyond the control of the student, and that affect performance in a specific assessment task or tasks.

Applications for Special Consideration will be accepted in the following circumstances only:

- Where academic work has been hampered to a substantial degree by illness or other cause;

- The circumstances are unexpected and beyond the student's control;
- The circumstances could not have reasonably been anticipated, avoided or guarded against by the student; and either:
 - (i) they occurred during a critical study period and was 3 consecutive days or more duration, or a total of 5 days within the critical study period; or
 - (ii) they prevented the ability to complete, attend or submit an assessment task for a specific date (e.g. final exam, in class test/quiz, in class presentation)

Applications for Special Consideration must be made as soon as practicable after the problem occurs and at the latest within three working days of the assessment or the period covered by the supporting documentation.

By sitting or submitting the assessment task the student is declaring that they are fit to do so and cannot later apply for Special Consideration (UNSW 'fit to sit or submit' requirement).

Sitting, accessing or submitting an assessment task on the scheduled assessment date, after applying for special consideration, renders the special consideration application void.

Find more information about special consideration at: <https://www.student.unsw.edu.au/special/consideration/guide>

Or apply for special consideration through your [MyUNSW portal](#).

Late Submission of assessment tasks (other than examinations)

UNSW has a standard late submission penalty of:

- 5% per day,
- capped at five days (120 hours) from the assessment deadline, after which a student cannot submit an assessment, and
- no permitted variation.

Students are expected to manage their time to meet deadlines and to request extensions as early as possible before the deadline.

Electronic submission of assessment

Except where the nature of an assessment task precludes its electronic submission, all assessments must be submitted to an electronic repository, approved by UNSW or the Faculty,

for archiving and subsequent marking and analysis.

Release of final mark

All marks obtained for assessment items during the session are provisional. The final mark as published by the university following the assessment review group meeting is the only official mark.

School-specific Information

The Learning Management System

Moodle is the Learning Management System used at UNSW Canberra. All courses have a Moodle site which will become available to students at least one week before the start of semester.

Please find all help and documentation (including Blackboard Collaborate) at the Moodle Support page.

UNSW Moodle supports the following web browsers:

- Google Chrome 50+
- Safari 10+

Internet Explorer is not recommended. Addons and Toolbars can affect any browser's performance.

Operating systems recommended are:

- Windows 10,
- Mac OSX Sierra,
- iPad IOS10

Further details:

[Moodle System Requirements](#)

[Moodle Log In](#)

If you need further assistance with Moodle:

For enrolment and login issues please contact:

IT Service Centre

Email: itservicecentre@unsw.edu.au

Phone: (02) 9385-1333

International: +61 2 9385 1333

For all other Moodle issues please contact:

External TELT Support

Email: externalteltsupport@unsw.edu.au

Phone: (02) 9385-3331

International: +61 2 938 53331

Opening hours:

Monday – Friday 7:30am – 9:30 pm

Saturday & Sunday 8:30 am – 4:30pm

Study at UNSW Canberra

Study at UNSW Canberra has lots of useful information regarding:

- Where to get help
- Administrative matters
- Getting your passwords set up
- How to log on to Moodle
- Accessing the Library and other areas.

UNSW Canberra Student Hub

For News and Notices, Student Services and Support, Campus Community, Quick Links, Important Dates and Upcoming Events

School Contact Information

Deputy Head of School (Education): Dr Erandi Hene Kankanamge

E: e.henekankanamge@adfa.edu.au

T: 02 5114 5157

Syscom Admin Support: syscom@unsw.edu.au

T: 02 5114 5284

Syscom Admin Office: Building 15, Level 1, Room 101 (open 10am to 3pm, Mon to Fri)