UNSW Course Outline

ZEIT8270 Project Report - Decision Analytics Part-Time - 2024

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General Course Information

Course Code : ZEIT8270
Year : 2024
Term : Semester 2
Teaching Period : Z2
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 : 6

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

This is a research-based course which required a good understanding on the decision-making tools, as taught in other courses in the 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.	• Topic selection and literature review • Project completion and report submission
CLO2 : Demonstrate engagement with the relevant disciplinary knowledge in its interdisciplinary context.	• Topic selection and literature review • Project completion and report submission
CLO3 : Apply Decision Analytics methodologies to solve specific practical problems.	• Project completion and report submission
CLO4 : Appropriately evaluate solutions and communicate recommendations and other relevant information.	• Project completion and report submission

Learning and Teaching Technologies

Moodle - Learning Management System | Weekly meetings with the project supervisor

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Topic selection and literature review	25%	Start Date: Not Applicable Due Date: 15/09/2024 11:59 PM
Project completion and report submission	75%	Start Date: Not Applicable Due Date: 13/10/2024 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

2500 words

Submission notes

Submission should be via an email to the project supervisor

Assessment information

AI detector software will be used to check the similarity percentage and the use of any generative AIs while writing the report.

Assignment submission Turnitin type

This is not a Turnitin assignment

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.

Detailed Assessment Description

Define the problem, formulate the problem, develop a methodology, validate solutions, and write a report. This is an individual assignment component.

Assessment Length

7500 words

Submission notes

Submission should be via an email to the project supervisor

Assessment information

AI detector software will be used to check the similarity percentage and the use of any generative AIs while writing the report.

Assignment submission Turnitin type

This is not a Turnitin assignment

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 materials (e.g., Google Scholar, EndNote, Science Direct, etc)

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
Convenor	Ripon Chakrabortty		Room 108, Building 15, UNSW Canberra	+61 2 5114 5133	Please email me to book a session. Thanks	Yes	Yes

Other Useful Information

School-specific Information

The Leaning 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 Comminity, 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 4pm, Mon to Fri)