



BUSA3021

PACE: Business Analytics Project

Session 1, In person-scheduled-weekday, North Ryde 2024

Department of Actuarial Studies and Business Analytics

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General Information

Unit convenor and teaching staff

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Credit points

10

Prerequisites

BUSA3020 or MGMT320

Corequisites

Co-badged status

Unit description

This unit provides a platform for students to exercise the knowledge and skills that they have gained in previous units. The major component of the unit is an organisation-based group project, where students will actively engage with an organisation including but not limited to: not-for-profit organisations, government agencies, companies, and industry partners. Group work engages students in the challenges of interpersonal communication, task allocation, coordination and control. Students will gain an insight into the analytical problems faced by organisations and be able to contextualise their graduate capabilities into the final business project. The unit will consider key issues, concepts and frameworks of analytics ethics, and social responsibility, and how these can be applied to policy and practice. The class is conducted through lectures, workshops and discussions where students will develop an analytical solution around the client specified information-based problem. Throughout the unit, the emphasis is on the analysis process: identifying information needs, acquiring the necessary information, interpreting it and using it as the basis for strategic recommendations back to the client partner. Visit [Employability Connect](#) for important information on this unit.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Successfully work in teams to achieve group and organisational objectives.

ULO2: Demonstrate knowledge of data analysis techniques and apply various

quantitative data analysis techniques to resolve the information needs of an organisation.

ULO3: Be able to conduct an organisational and industry analysis to assess business opportunities by analysing customers, competitors, collaborators, and other external forces in a collaborative setting.

ULO4: Critically examining problem areas, developing feasible analytics investment decision options, developing key recommendations, and communicating this strategic thinking to others.

ULO5: Enhance awareness of analytics' contribution to society through discussion of ethical and professional conduct and issues in corporate social responsibility.

General Assessment Information

Late Assessment Submission Penalty (written assessments)

Unless a Special Consideration request has been submitted and approved, a 5% penalty (of the total possible mark) will be applied each day a written assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical concern.

For any late submissions of time-sensitive tasks, such as scheduled tests/exams, performance assessments/presentations, and/or scheduled practical assessments/labs, students need to submit an application for [Special Consideration](#).

Assessment Tasks

Name	Weighting	Hurdle	Due
Reflective Journal	20%	No	Week 4 and Week 10
Progress Report	15%	No	Week 7
Group Project Report	45%	No	Week 12
Report and Portfolio	20%	No	Week 13

Reflective Journal

Assessment Type ¹: Reflective Writing

Indicative Time on Task ²: 10 hours

Due: **Week 4 and Week 10**

Weighting: **20%**

Students will be required to submit one or more reflective journals.

On successful completion you will be able to:

- Successfully work in teams to achieve group and organisational objectives.
- Be able to conduct an organisational and industry analysis to assess business opportunities by analysing customers, competitors, collaborators, and other external forces in a collaborative setting.
- Critically examining problem areas, developing feasible analytics investment decision options, developing key recommendations, and communicating this strategic thinking to others.
- Enhance awareness of analytics' contribution to society through discussion of ethical and professional conduct and issues in corporate social responsibility.

Progress Report

Assessment Type ¹: Report

Indicative Time on Task ²: 12 hours

Due: **Week 7**

Weighting: **15%**

Student will be required to provide a progress report on their own contribution to the group project and/or other activities and deliverables of the unit.

On successful completion you will be able to:

- Successfully work in teams to achieve group and organisational objectives.
- Enhance awareness of analytics' contribution to society through discussion of ethical and professional conduct and issues in corporate social responsibility.

Group Project Report

Assessment Type ¹: Practice-based task

Indicative Time on Task ²: 30 hours

Due: **Week 12**

Weighting: **45%**

The group will write a report about the outcome of the project and present the report to the client.

On successful completion you will be able to:

- Successfully work in teams to achieve group and organisational objectives.
- Demonstrate knowledge of data analysis techniques and apply various quantitative data analysis techniques to resolve the information needs of an organisation.
- Be able to conduct an organisational and industry analysis to assess business opportunities by analysing customers, competitors, collaborators, and other external forces in a collaborative setting.
- Critically examining problem areas, developing feasible analytics investment decision options, developing key recommendations, and communicating this strategic thinking to others.
- Enhance awareness of analytics' contribution to society through discussion of ethical and professional conduct and issues in corporate social responsibility.

Report and Portfolio

Assessment Type ¹: Portfolio

Indicative Time on Task ²: 12 hours

Due: **Week 13**

Weighting: **20%**

Students will produce a report - in the context of a case study, project, or similar - and demonstrate a portfolio of techniques and skills they have learned during their degree at Macquarie.

On successful completion you will be able to:

- Successfully work in teams to achieve group and organisational objectives.
- Demonstrate knowledge of data analysis techniques and apply various quantitative data analysis techniques to resolve the information needs of an organisation.
- Be able to conduct an organisational and industry analysis to assess business opportunities by analysing customers, competitors, collaborators, and other external forces in a collaborative setting.
- Critically examining problem areas, developing feasible analytics investment decision options, developing key recommendations, and communicating this strategic thinking to others.
- Enhance awareness of analytics' contribution to society through discussion of ethical and professional conduct and issues in corporate social responsibility.

¹ If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

² Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

The unit is comprised of 13 x 3-hour seminars/classes, held on-campus in weeks 1 to 13. The unit is not designed for remote learning due the work with the client. Weekly in-person attendance is expected.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Assessment Procedure](#)
- [Complaints Resolution Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/support/study/policies\)](https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au) and use the [search tool](#).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/student-conduct>

Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the

University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe [academic integrity](#) – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free [online writing and maths support](#), [academic skills development](#) and [wellbeing consultations](#).

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

The Writing Centre

[The Writing Centre](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Workshops](#)
- [Chat with a WriteWISE peer writing leader](#)
- [Access StudyWISE](#)
- [Upload an assignment to Studiosity](#)
- [Complete the Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

Student Services and Support

Macquarie University offers a range of [Student Support Services](#) including:

- [IT Support](#)
- [Accessibility and disability support](#) with study
- Mental health [support](#)
- [Safety support](#) to respond to bullying, harassment, sexual harassment and sexual assault
- [Social support](#) including information about finances, tenancy and legal issues
- [Student Advocacy](#) provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via [AskMQ](#), or contact [Service Connect](#).

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

Unit information based on version 2024.04 of the [Handbook](#)