



GEOS3136

PACE: Applied Marine Science

Session 2, In person-scheduled-weekday, North Ryde 2022

School of Natural Sciences

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General Information

Unit convenor and teaching staff

Anthony Chariton

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Katherine Dafforn

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Credit points

10

Prerequisites

120cp at 1000 level or above

Corequisites

20cp from BIOL373 or GEOS309 or ENVE301 or ENVS301 or BIOL3440 or GEOS3130 or ENVS3101

Co-badged status

Unit description

In this interdisciplinary PACE and capstone unit students consolidate their learning across the biological, earth and environmental science subjects and prepare themselves for appropriate transition to the next stage of their careers. This involves active reflection on prior learning, building and articulating a positive self-understanding, exploring opportunities, clarifying goals, acquiring adequate employability and workplace skills, and building linkages with professional communities and industries. A series of activities including guest speakers will facilitate students' reflection on their studies and desires for their own career paths. The course also covers key topics such as communicating science, the publication and review process, research ethics, and career pathways.

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: Develop and manage a research project to investigate a specific marine science issue.

ULO2: Apply theoretical, practical and analytical skills to a real world research project in marine science

ULO3: Communicate matters relevant to marine science effectively to colleagues and the public as well as grasp and synthesise information from oral presentations and the literature

ULO4: Work effectively within a marine science environment, demonstrating an understanding of the importance of interdisciplinary linkages and how marine processes are of relevance to the wider community

ULO5: Assess and plan for future careers through the recognition and development of transferable skills and reflection on professional ethics

General Assessment Information

Late Assessment Submission Penalty

From 1 July 2022, Students enrolled in Session based units with written assessments will have the following university standard late penalty applied. Please see <https://students.mq.edu.au/study/assessment-exams/assessments> for more information.

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 **11:55 pm**. A 1-hour grace period is provided to students who experience a technical concern.

For any late submission 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](#).

In this unit Standard Late Penalty applies to all submissions

Assessment Tasks

Name	Weighting	Hurdle	Due
Project proposal and scientific notebooks	30%	No	Weeks 3 and 8
Data report and Presentation	45%	No	Weeks 12 and 13

Name	Weighting	Hurdle	Due
Reflective journal	10%	No	Week 13
Online professional profile	15%	No	Week 10

Project proposal and scientific notebooks

Assessment Type ¹: Project

Indicative Time on Task ²: 20 hours

Due: **Weeks 3 and 8**

Weighting: **30%**

Students will write a group project proposal prior to commencing activities, and will keep an individual scientific notebook to document their research project

On successful completion you will be able to:

- Develop and manage a research project to investigate a specific marine science issue.
- Apply theoretical, practical and analytical skills to a real world research project in marine science
- Communicate matters relevant to marine science effectively to colleagues and the public as well as grasp and synthesise information from oral presentations and the literature

Data report and Presentation

Assessment Type ¹: Report

Indicative Time on Task ²: 30 hours

Due: **Weeks 12 and 13**

Weighting: **45%**

Students will summarise their research findings into a written report and will give a group oral presentation on their research project

On successful completion you will be able to:

- Develop and manage a research project to investigate a specific marine science issue.
- Apply theoretical, practical and analytical skills to a real world research project in marine science
- Communicate matters relevant to marine science effectively to colleagues and the public

as well as grasp and synthesise information from oral presentations and the literature

- Work effectively within a marine science environment, demonstrating an understanding of the importance of interdisciplinary linkages and how marine processes are of relevance to the wider community

Reflective journal

Assessment Type ¹: Reflective Writing

Indicative Time on Task ²: 10 hours

Due: **Week 13**

Weighting: **10%**

Students will complete a reflection on their experience of planning and executing a research project and how that experience has informed their future plans

On successful completion you will be able to:

- Work effectively within a marine science environment, demonstrating an understanding of the importance of interdisciplinary linkages and how marine processes are of relevance to the wider community
- Assess and plan for future careers through the recognition and development of transferable skills and reflection on professional ethics

Online professional profile

Assessment Type ¹: Portfolio

Indicative Time on Task ²: 15 hours

Due: **Week 10**

Weighting: **15%**

Students will build a professional online presence in stages throughout the unit

On successful completion you will be able to:

- Work effectively within a marine science environment, demonstrating an understanding of the importance of interdisciplinary linkages and how marine processes are of relevance to the wider community
- Assess and plan for future careers through the recognition and development of transferable skills and reflection on professional ethics

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

Lectures will be delivered by zoom.

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 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.