



GEOS3136

Applied Marine Science

Session 2, Special circumstance 2020

Department of Earth and Environmental Sciences

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Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group learning activities on campus for the second half-year, while keeping an online version available for those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face and online activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff

Convenor

Katherine Dafforn

katherine.dafforn@mq.edu.au

Contact via 0298507979

Rm 518, 12 Wallys Walk

By Appointment

Lecturer

April Abbott

april.abbott@mq.edu.au

By Appointment

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

Assessment Criteria

Assessment at Macquarie University is standards-based, as outlined in the [Assessment Policy](#). This means that your work will be assessed against clear criteria, and these criteria (e.g. in a rubric) will be made available when the assessment tasks are released to you on iLearn.

Submission of Assessments

All assessments must be submitted online through [Turnitin](#) unless otherwise indicated. Links for the submission of each assessment will be available on [iLearn](#).

You should always check that you have uploaded the correct file. If you have a problem, please email the Unit Convenor with your correct file. You must also keep a copy of your assessments until the end of semester in case there is a problem with your submission. It is your responsibility to ensure that you can provide a copy of your assessment if requested.

Marking of Assessments

Assignments will usually be marked through Turnitin with grades provided through Gradebook on iLearn. Please do not submit your assessments via email or in hard copy unless requested (e.g. a sketch or drawing).

We aim to return your assessment grades and feedback within two to three weeks of the date that you submitted it. We appreciate your patience and will advise you through iLearn when your marked assessments and feedback are available for viewing.

Penalties for Late Assessments

The penalty for late submission of assessments in this unit is **ten percent (10 %) of the assessment value per day**, calculated from the due time and date. This means that if the assignment is worth a total of 30 marks (or 30 % of the unit) you will lose 3 marks for each day it is late. This is a hefty penalty designed to make you aware of the importance of organising yourself around assessment due dates. The penalty will be applied over weekdays and weekends unless you have been granted an extension prior to the due date.

Extensions for Assessments

To obtain an extension for an assessment task, you will need to follow the formal process as outlined in the [Special Consideration Policy](#), and you must provide appropriate supporting evidence (e.g. medical certificate - see advice for [Special Consideration](#) requests). The final decision regarding the granting of an extension lies with the unit convenor. Permission for extensions must be sought **before the due date** unless there are exceptional circumstances. Please let us know of problems in advance or as soon as possible, not after the event. We are likely to be much more sympathetic and able to accommodate your circumstance if you follow this advice.

Assessment Tasks

| Name | Weighting | Hurdle | Due |
|---|-----------|--------|----------------|
| Project proposal and scientific notebooks | 30% | No | Week 3 and 8 |
| Online professional profile | 15% | No | Week 10 |
| Data report and Presentation | 45% | No | Week 12 and 13 |
| Reflective journal | 10% | No | Week 13 |

Project proposal and scientific notebooks

Assessment Type ¹: Project

Indicative Time on Task ²: 20 hours

Due: **Week 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

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

Data report and Presentation

Assessment Type ¹: Report

Indicative Time on Task ²: 30 hours

Due: **Week 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

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

Unit iLearn

This unit has an iLearn page that can be accessed through ilearn.mq.edu.au. It contains important information and other materials relating to the unit, including details and links for assessments.

Communication

The unit iLearn is the primary way that we communicate with you. Please check it regularly for announcements and posts. You are encouraged to use the Discussion Board on iLearn to post questions and generate discussion with other students. Please only email the convenor with

private matters – all other questions should be posted on iLearn.

Unit Organisation

This unit is delivered in weekly topics. The organisation of these is outlined in a detailed unit schedule which is available on [iLearn](#).

Students enrolled in the Weekday attendance/Infrequency attendance/Fully online attendance offering should **XXXXX**

Classes

The class timetable for this unit can be found through the [Timetable](#) portal. You should also check the unit schedule as some weeks may have other instructions or locations.

Workload

The expected workload for this 10-credit point unit is 150 hours of activity, comprising the PACE activity, lectures, seminars, lab meetings, class preparation and readings.

Requirements to complete this unit satisfactorily

To complete this unit satisfactorily, you must:

1. Participate in all scheduled classes;
2. Complete all assessments; and
3. Achieve a pass grade or higher.

The descriptions for grades common to all coursework units offered by Macquarie University are outlined in [Schedule 1 of the Assessment Policy](#).

Unit Schedule

Please see iLearn for details

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)

- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

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

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/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

Student Support

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

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [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

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

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.

Changes from Previous Offering

GEOS3136 is now a PACE unit as well as the Bachelor of Marine Science capstone. Through the research-based PACE activities, students will receive professional and academic mentoring from the partner organisations and will be exposed to career options within the discipline. The expertise and experience of the partner organisations ensure professional standards for reporting and conducting the project.