

MARINE305: Practical Skills in Marine Science

Science
(15 Points)

Course Prescription

Development of practical skills in a range of marine science disciplines. Includes a residential field trip at the Leigh Marine Laboratory.

Course Overview

This course ran for the first time in February 2021, its aim being to provide Marine Science majors with practical experiences that they missed out due to Covid 19-related cancellations of many laboratories and field trips in 2020. The course was successful and will continue to be run in future years during summer school. It will consist of a 5-day field trip at the Leigh Marine Laboratory (from January 31-Feb 4 in 2023). Students will stay onsite in bunkrooms and meals will be provided at a reasonable charge (\$30/day in 2022). Transport from the city will also be provided. The course will involve learning skills in a wide range of disciplines, and will include time on the University's research vessel Te Kaihopara (weather permitting). A report will be written on each of five one-day exercises, due 2-3 weeks after the field trip.

Course Requirements

Prerequisite: MARINE 202 or 30 points at Stage II in BSc courses

Capabilities Developed in this Course

Capability 1: Disciplinary Knowledge and Practice

Capability 2: Critical Thinking

Capability 3: Solution Seeking

Capability 4: Communication and Engagement

Graduate Profile: [Bachelor of Science](#)

Learning Outcomes

By the end of this course, students will be able to:

1. Be able to use a variety of sampling and measurement methods in marine science and interpret the resultant data (Capability 1 and 2)
2. Identify the appropriate method for solving a particular problem (Capability 3)
3. Communicate scientific results (Capability 4)

Assessments

Assessment Type	Percentage	Classification
Practical	100%	Individual Coursework
	100%	

Assessment Type	Learning Outcome Addressed		
	1	2	3
Practical	✓	✓	✓

Tuākana

Tuākana Science is a multi-faceted programme for Māori and Pacific students providing topic specific tutorials, one-on-one sessions, test and exam preparation and more. Explore your options at

<https://www.auckland.ac.nz/en/science/study-with-us/pacific-in-our-faculty.html>

<https://www.auckland.ac.nz/en/science/study-with-us/maori-in-our-faculty.html>

Special Requirements

Practicals are compulsory. You will be based at the Leigh Marine Laboratory for 5 days.

Workload Expectations

This course is a standard 15 point course and students are expected to spend 10 hours per week involved in each 15 point course that they are enrolled in.

For this course, you can expect 40 hours of practical work, and 110 hours of work on assignments.

Delivery Mode

Campus Experience & Campus Experience

Attendance is required at the field trip.

The activities for the course are scheduled as a block.

Learning Resources

Course materials are made available in a learning and collaboration tool called Canvas which also includes reading lists and lecture recordings (where available).

Please remember that the recording of any class on a personal device requires the permission of the instructor.

Reading lists consisting of several articles for each exercise will be provided prior to the course.

Student Feedback

During the course Class Representatives in each class can take feedback to the staff responsible for the course and staff-student consultative committees.

At the end of the course students will be invited to give feedback on the course and teaching through a tool called SET or Qualtrics. The lecturers and course co-ordinators will consider all feedback.

Your feedback helps to improve the course and its delivery for all students.

In response to feedback from the 2021 class we added tours of the marine lab and discussions about postgraduate options during the field trip and Zoom-based tutorials prior to report submission deadlines.

Academic Integrity

The University of Auckland will not tolerate cheating, or assisting others to cheat, and views cheating in coursework as a serious academic offence. The work that a student submits for grading must be the student's own work, reflecting their learning. Where work from other sources is used, it must be properly acknowledged and referenced. This requirement also applies to sources on the internet. A student's assessed work may be reviewed against online source material using computerised detection mechanisms.

The plagiarism-detection software Turnitin is used to check all submitted written work.

Class Representatives

Class representatives are students tasked with representing student issues to departments, faculties, and the wider university. If you have a complaint about this course, please contact your class rep who will know how to raise it in the right channels. See your departmental noticeboard for contact details for your class reps.

Copyright

The content and delivery of content in this course are protected by copyright. Material belonging to others may have been used in this course and copied by and solely for the educational purposes of the University under license.

You may copy the course content for the purposes of private study or research, but you may not upload onto any third party site, make a further copy or sell, alter or further reproduce or distribute any part of the course content to another person.

Inclusive Learning

All students are asked to discuss any impairment related requirements privately, face to face and/or in written form with the course coordinator, lecturer or tutor.

Student Disability Services also provides support for students with a wide range of impairments, both visible and invisible, to succeed and excel at the University. For more information and contact details, please visit the [Student Disability Services' website](http://disability.auckland.ac.nz) <http://disability.auckland.ac.nz>

Special Circumstances

If your ability to complete assessed coursework is affected by illness or other personal circumstances outside of your control, contact a member of teaching staff as soon as possible before the assessment is due.

If your personal circumstances significantly affect your performance, or preparation, for an exam or eligible written test, refer to the University's [aegrotat or compassionate consideration page](https://www.auckland.ac.nz/en/students/academic-information/exams-and-final-results/during-exams/aegrotat-and-compassionate-consideration.html) <https://www.auckland.ac.nz/en/students/academic-information/exams-and-final-results/during-exams/aegrotat-and-compassionate-consideration.html>.

This should be done as soon as possible and no later than seven days after the affected test or exam date.

Learning Continuity

In the event of an unexpected disruption, we undertake to maintain the continuity and standard of teaching and learning in all your courses throughout the year. If there are unexpected disruptions the University has contingency plans to ensure that access to your course continues and course assessment continues to meet the principles of the University's assessment policy. Some adjustments may need to be made in emergencies. You will be kept fully informed by your course co-ordinator/director, and if disruption occurs you should refer to the university website for information about how to proceed.

The delivery mode may change depending on COVID restrictions. Any changes will be communicated through Canvas.

Student Charter and Responsibilities

The Student Charter assumes and acknowledges that students are active participants in the learning process and that they have responsibilities to the institution and the international community of scholars. The University expects that students will act at all times in a way that demonstrates respect for the rights of other

students and staff so that the learning environment is both safe and productive. For further information visit [Student Charter](https://www.auckland.ac.nz/en/students/forms-policies-and-guidelines/student-policies-and-guidelines/student-charter.html) <https://www.auckland.ac.nz/en/students/forms-policies-and-guidelines/student-policies-and-guidelines/student-charter.html>.

Disclaimer

Elements of this outline may be subject to change. The latest information about the course will be available for enrolled students in Canvas.

In this course students may be asked to submit coursework assessments digitally. The University reserves the right to conduct scheduled tests and examinations for this course online or through the use of computers or other electronic devices. Where tests or examinations are conducted online remote invigilation arrangements may be used. In exceptional circumstances changes to elements of this course may be necessary at short notice. Students enrolled in this course will be informed of any such changes and the reasons for them, as soon as possible, through Canvas.