

# Practical Introduction to Temperate Marine Biology

## XAS101



### Unit Description

This is an intensive unit for pupils enrolled in TCE levels 2-3 (years 11 & 12) who have an interest in the natural world and/ or who aim to pursue science/ environmental science subjects at University. It will provide students with online learning of key issues and concepts in marine biology and culminates in real world practical experience on Maria Island, Tasmania.

This predominantly field-based unit is designed to engage students in marine science through an experiential education program that will challenge, excite and inspire participants.

During the field trip, emphasis will be placed on extending students' understanding of practical techniques used in studying marine biology with the aim of enhancing their ability to design, collect and interpret biological data.

### Learning Objectives

On completion of this unit, you should be able to:

1. Understand key ecological concepts and identify key threats for Marine Ecosystems
2. Write an essay on a key threat to marine ecosystems and synthesise current knowledge and potential solutions
3. Maintain an accurate field diary recording all aspects of a rigorous scientific sampling program
4. Collect, enter and interpret biological/ environmental data
5. Present scientific data and communicate research findings in oral form

### Assessment:

Fieldwork aptitude & quizzes	40%
Field journal	20%
Group presentation on field project	20%
Essay	20%

## Admission Requirements

This unit is available to students concurrently enrolled in level 2 Life Sciences and level 3 Biology or Environmental Science & Society.

Students under 18 years of age require permission from a parent for admission and enrolment into this unit.

This unit is available HECS free.

A fee (\$645) is required to cover costs for the essential field component.

## Teaching Pattern/Assessment

Students will work through short online modules and are required to attend a 5-day field trip on Maria Island. On the day after the field trip, students will also be required to attend a full-day session at the Institute for Marine & Antarctic Studies (IMAS) Salamanca, Hobart, and give an assessed group presentation on their research conducted on Maria Island.

### Field trip dates:

September school holidays - 30 September – 4 October 2015

Easter School Holidays 2016 - Dates to be advised

## TE/ATAR University of Tasmania Credit

Results in this unit will contribute to TE/ATAR.

The final results for this unit are a combination of all fieldwork, associated quizzes and an essay

Successful completion of this unit will gain 12.5% credit in a Bachelor of General Studies/Bachelor of Marine and Antarctic Studies



## Student Enrolment Information

This unit requires the completion of a **University of Tasmania (UTAS) Admission and Enrolment form** and the **Request for Commonwealth Support and HECS-HELP form**. Please note the Request for Commonwealth Support and HECS-HELP form is required even though your particular program does not incur any fees\*. We require the information in this form for Government reporting purposes. Once this process is completed, you will be provided with a student card, email address and login. These will allow you to use UTAS facilities such as the library, and access the online learning content (via MyLo). Please contact the Unit co-ordinators Mary-Anne Lea & Scott Ling to obtain further details.

You may withdraw from the unit at any time without any financial or academic penalty. You will not be disadvantaged should you not wish to continue with your studies after enrolment.



Lecturers and Unit-Coordinators  
Dr Mary-Anne Lea & Dr Scott Ling

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## Contact Us

For more information in regards to this program please contact the Unit Coordinators

For enrolment enquiries please contact the IMAS Graduate Research Office  
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