

**OTUMOETAI COLLEGE**  
**NCEA MARINE STUDIES LEVEL 2 – (L2MAST) 2019**

MARINE STUDIES – L2MAST					
Course Relationship to the National Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Services Industries	Social & Community Services	Creative Industries
4	4	14	R:10 SR:6	10	0
<b>Course Entry</b>	Recommendation of your Year 11 Science Teacher or HOD. Students must be prepared to participate in fieldwork and diving courses, and have some independent skills, if a split class.				
<b>Course Overview</b>	This course will begin early with an open water scuba course including rescuing a diver from 18m. This will involve pool sessions and a sea test in the lakes or ocean. Biological work involves looking at the diversity of marine species and identification by key use and recording. Students study the commercial production of Green Shelled Mussel including their life cycle and anatomy. A research project covers Marine Mammal Adaptations and students study relationships within marine communities, as well as life in extreme deep water environment. It leads on to Level 3 Marine Studies.				
<b>Assessment</b>	This course will be assessed to a selection of Achievement and Unit Standards with students having the opportunity to gain up to 18 credits at Level 2 and 11 credits at Level 3.				
<b>Cost Materials</b>	Diving course including the fee for hiring diving equipment, tanks, regulator, BCD, and instruction costs. – This must be paid up front. Note: Students provide the following items of diving equipment – mask & snorkel. It might be possible to borrow these items, or to purchase them out of season (e.g. while on special). Prices vary considerably depending on quality and there is second-hand gear for sale. <b>It is essential that the mask fits well.</b> – Dive shop gives great discounts. For the SCUBA course the students will be provided with the PADI – e-learning key. However, students are expected to bring refill paper/folders to all lessons in class and clipboards for fieldtrips. Texts and information resources will be provided in class on a topic by topic basis.				<b>\$500.00</b>
	<b>Medical:</b> All students must supply a recreational diving medical certificate from their GP to say that they are medically fit to undertake a course in SCUBA diving. <b>IMPORTANT! This may be required by Week 2 of Term 1</b>				<i>\$60.00-\$90.00</i>
<b>Cost for Trips</b>	Local fieldtrips				<b>\$25.00</b>

**Aim**

1. To provide a context to develop the five key competencies identified in the New Zealand Curriculum - *thinking, using language, symbols, and texts, managing self, relating to others, participating and contributing* – To use these competencies to live, learn, work, and contribute as active members of communities.
2. To develop an understanding of living things and how they interact with each other and the environment, the diversity of life and life processes.
3. To use their current knowledge and skills for problem solving and developing further knowledge.
4. To use knowledge and skills to make informed decisions about the application, and implications as these relate to individual lives and cultures and to the sustainability of the environment.
5. As a result of studying Biology, students will be able to make more informed decisions about significant biological issues with an emphasis is on the biology of New Zealand, including the sustainability of New Zealand’s unique fauna and flora and distinctive ecosystems.
6. To prepare students for success in NCEA and further study pathways.

**Description**

This course involves study from the specialist areas of Marine Studies, Biology, and Earth and Space Science to provide students with background to understand marine ecology, gain practical dive qualifications, and prepare for the workforce or to choose further study pathways.

### Topics

PADI Open Water Training  
Ecology  
Skipper skills

Social Issues  
Environmental impacts  
Animal adaptations of gas exchange

### Assessment Programme – Achievement Standards 2019

US 28392	Scuba Dive in Open Water to a Maximum Depth of 18 Meters.	7 credits
US 28408	Complete SCUBA dives of shore in open water.	4 credits
US 26542	Demonstrate basic knowledge of the operation of a small craft by day.	6 credits
AS91158 <b>Biology 2.6</b>	Investigate a pattern in an ecological community, with supervision.	4 credits
AS91155 <b>Biology 2.3</b>	Demonstrate understanding of adaptations of plants or animals to their way of life.	3 credits
AS91190 <b>EES 2.4</b>	Investigate how organisms survive in an extreme environment.	4 credits
AS91188 <b>EES 2.2</b>	Examine an Earth Science issue and the validity of the information communicated to the public.	4 credits

### Assessment Opportunity

Students are expected to complete all assessment activities on or before the due date. A further assessment opportunity will only be offered to classes where practicable. The final decision as to whether the class will be offered a further assessment opportunity lies with the Head of Faculty.

### Work Deadlines & Lateness

All work must be handed in **at the beginning of the lesson on or before the due date**. Work **must be personally delivered to the teacher concerned** and must not be placed in the teacher's pigeonhole or left on the teacher's desk.

All in-class assessments must be completed on the set day unless **prior approval** has been requested of the individual teacher and approved by the Head of Department.

Assessment tasks handed in late without prior approval, will not necessarily be accepted for marking. The decision to accept or not accept a late assessment tasks will be made by the individual decision. Students who fail to submit work for assessment will be recorded as "not submitted" and can expect to receive a "not achieved" for that standard.

Students enrolled in all Science Department courses are entered in all standards being assessed as part of that course unless they negotiate to be removed from that particular standard **at the beginning of the year** and will require written parental permission to be removed from any standard.

### How to Appeal a Grade

Appeals against grades awarded should be made following the procedure outlined in the school policy on appeals. Students wishing to appeal a grade must do so within 48 hours of receiving notification of their assessed grade.

### Storage of Student Work

The Science Department will retain all student assessment material until it is no longer required by the NZQA for moderation purposes.

### Authenticity

Except where specified in the assessment task, all work is to be the student's own. Assessment tasks completed outside of examination conditions will require a signed statement of authentication from students.

**Marking and Moderation**

Students' work will be marked by the class teacher following NCEA assessment schedules. For marking consistency, some assessment tasks or sections of tasks may be marked by the same teacher for all classes. Moderation will take place at the beginning and end of the marking to ensure consistency between classes.

**Resources & Texts**

Texts and resource material will only be loaned to students through the bar coded issue system and remain the property of the Science Department. Lost materials and texts will be replaced by the students responsible at his/ her own cost which must be cleared before further texts will be issued.

**Welcome to the Marine Studies, we are here to help you enjoy your learning and make the most of the opportunities provided.**