



Course Outline

Aquaculture and Marine Conservation



Curriculum Goals:

This course aims to provide learners with the opportunity to experience work in the aquaculture industry and to demonstrate knowledge of boatcraft and the farming of salmon species. This course is practical and experiential. Students will be given the opportunity to learn through engaging in realistic and authentic tasks.

Vocational Pathway: Primary Industries

Learner Goals and Outcomes: On completion of this course, the student will be able to:

1. Demonstrate knowledge of the operation of a pleasure craft by day
2. Demonstrate knowledge of abandon ship procedures and sea survival techniques
3. Describe the location and history of salmon farms in New Zealand, the products produced and the market destinations.
4. Identify the salmon species that are farmed in New Zealand and worldwide, their life-cycles and associated challenges.
5. Describe the biology of New Zealand greenshell mussels and explain factors impacting on their growth.

Assessment Standards

Unit No	Title	Level	Credits	Version	SR/R
16340	Demonstrate knowledge of the biology of the New Zealand Greenshell mussel	3	5	6	
19852	Describe the salmon farming industry in New Zealand and worldwide	2	10	4	
26542	Demonstrate basic knowledge of the operation of pleasure craft by day	2	6	3	
	Total DAS Credits		21		

Vocational Pathways: SR = Sector Related; R = recommended

To receive a Vocational Pathways Award, students must gain NCEA Level 2. Within the 80 credits required to achieve NCEA Level 2, 60 of these Level 2 credits must be from the recommended standards in one or more pathways, including 20 Level 2 credits from Sector Related standards.

Methods of Assessment. The following methods of assessment will be used:

1. Practical Demonstration
2. Workbook