

Course Outline

Course Title: Clam Beach Seeding - Enhancing Productivity

Course Code: AQUA 564T

Total Hours: 70 Hours

Description: This intense course provides the skills and knowledge required to increase production of clam beaches through seeding juvenile clams. Topics include: overview of aquatic and intertidal environments; clam biology and life cycle; beach production methods; evaluating and sorting clam seed; preparing the beach for seeding; placing clam seed appropriately on the beach; and beach management and record keeping.

Course Objectives:

The student will be able to:

- Understand aquatic and intertidal environments; . Understand clam biology and life cycle; . Understand beach production methods; Evaluate and sort clam seed;
- Prepare an intertidal tenure site for seeding; Place clam seed appropriately on the tenure site; and

Understand beach management procedures and record keeping.

Course Modules:

Module 1: Aquatic Environment

Module 2: Intertidal Environment

Module 3: Bivalves of British Columbia

Module 4: BC Manila Clam Industry

Module 5: Clam Beach Site Assessment

Module 6: Manila Clam Production: Seed

Module 7: Preparation for Seeding

Module 8: Seeding Culture Plots

Module 9: Harvesting

Module 10: Processing

Module 11: Marine Biotoxins

Prerequisites: None. Field skills and a basic understanding of the marine and intertidal environment are recommended to get the most from this training.

Evaluation: Attendance, exercises/assignments, lab and field work, written and practical examinations.