ISO 9001:2008

SHELLFISH AQUACULTURE

EXPECTED LEARNING OUTCOMES (ELOs)

KNOWLEGES	
ELO 1	Apply mathematical, scientific, technical, social knowledge, and knowledge on contemporary issues in the field of Aquaculture
ELO 2	Analyze data to conduct surveys and research in the field of Aquaculture
ELO 3	Assess the quality of care, treatment, and health management of Aquaculture species
ELO 4	Design the model of Aquaculture farming and seed production along the direction of clean production and ensuring safety food sources for human.
SKILLS	
ELO 5	Apply creative thinking, critical thinking, and problem solving skills in a variety of contexts.
ELO 6	Work independently, lead the team, and manage the project towards its goals.
ELO 7	Communicate effectively, understand cultural differences, read English documents in the field of Aquaculture
ELO 8	Provide technical advice and business solutions in the field of Aquaculture to benefit stakeholders (producers, traders, communities).
ELO 9	Use information technology and modern equipment of the Aquaculture sector effectively.
ATTITUDES	
ELO 10	Develop a professional work attitude, uphold professional ethics, demonstrate an awareness of environmental and human protection, love and protect animals.
ELO 11	Demonstrate a spirit of entrepreneurship and life-long learning

COURSE EXPECTED LEARNING OUTCOMES (CELOs)

Symbol	Expected learning outcomes of the module Complete this module, students made	Standard output of the training program
Knowledges		
CELO1	Explain the biological characteristics of crustaceans and mollusks	ELO 2
CELO2	Applying the biological characteristics of crustaceans and mollusks in the process of designing and operating the commercial raising process	ELO 2, 3, 4
CELO3	Evaluate the development process of rearing subjects and economic factors	ELO 2, 3, 4
Skills		
CELO4	Implementing techniques of pond preparation right for each object	ELO 5, 8,9
CELO5	Implement techniques to monitor and handle water environmental factors suitable for each farming object.	ELO 5, 8, 9
CELO6	Implementing effective breeding and selection techniques, feeding and self-adjusting nutrition to suit each culture species.	ELO 5, 8, 9
CELO7	Implement appropriate preventive and treatment diagnosis techniques for each cultured species	ELO 5, 7, 8, 9
CELO8	Phát triển tư duy độc lập và tự giải quyết vấn đề	ELO 5, 6
CELO9	Improve communication skills	ELO 7
Attitudes		
CELO10	Awareness of professional ethics and environmental protection	ELO 10
CELO11	Conscious self-study to improve qualifications. Proactively identify problems and research materials to solve problems and desire to start a business.	ELO 11

RATING AND SCORING

Score scale: 10

Process evaluation: 50% + Final exam: 50%

Number of credits: 4 credits (2 theory credits, 2 practice credits)

Semester: 5 (1st semester, 3rd year)

LEARNING CONTENT

- Chapter 1: Process of farming white shrimp
- Chapter 2: Process of raising tiger shrimp
- Chapter 3: Process of raising giant freshwater shrimp
- Chapter 4: Sea crab farming process
- Chapter 5: Clam farming process
- Chapter 6: Process of culturing oysters

DUTIES OF STUDENTS

- Attendance: Students must attend at least 80% for the theory and 100% for the practical.
- Preparing for lectures: Students must read teaching materials, reference books and search for materials provided and introduced by lecturers.
- Attitude: actively participating in questioning, commenting, critical review, evaluation and marketing

LEARNING METHODS

- Read independent material, ask related questions
- Join lectures, watch videos, discuss in groups
- Listen, answer questions
- Practice: Project exercises, presenting results and explaining the results.

Department of Fisheries, Scholl of Agriculture and Fisheries, Tra Vinh University
No. 126, Nguyen Thien Thanh Street, Ward 5, Tra Vinh City
Teacher in charge: Diep Thanh Toan_Cellphone: +84.916.126.075; Email: dttoan@tvu.edu.vn
The other teacher: Pham Van Đay_Cellphone : +84.984.749.477; Email: phvday@tvu.edu.vn)