



COURSE NAME: BIOLOGICAL TECHNOLOGY

Credit: 2 : 1 theory, 1 practic

Semester: V

1. EXPECTED LEARNING OUTCOME

Sympl	EXPECTED LEARNING OUTCOME OF COURSE (CELO)	EXPECTED LEARNING OUTCOME OF PROGAME (ELO)
Knowledges		
CELO 1	Application of gene technology in aquaculture	ELO1
CELO 2	Application of microbiological and cellular technologies to the field of aquaculture	ELO2
CELO 3	Application of biotechnology in water environment management in aquaculture and seed production	ELO3
Skills		
CELO 4	Application of gene technology, microbiological technology in aquaculture, application of cell technology in aquaculture, water treatment in aquaculture, wastewater treatment from aquaculture, waste treatment Waste from aquaculture	ELO 4,8,9
CELO 5	Develop independent working skills, teamwork and report writing	ELO 5,6,7
CELO 6	Demonstrate effective communication skills in many forms (speaking, explanation, guidance)	EL6,7
Attitudes		
CELO 7	Awareness of professional ethics in biotechnology applications	ELO10
CELO 8	Ý thức tự học hỏi nâng cao trình độ. Chủ động phát hiện vấn đề và nghiên cứu tài liệu để giải quyết vấn đề.	ELO11

2. LEARNING CONTENT

- Capter 1: Gene technology in aquaculture
- Chapter 2: Microbiological technology in aquaculture
- Chapter 3: Cell technology
- Chapter 4: Technology for treating water environment in aquaculture and seed production in fish seed production



Figure sightseeing shrimp farming Figure shows the fish mark farming

3. LEARNING METHODS

- Students self-read documents, related questions
- Students participate in lectures, group discussions
- Students must read textbooks, related scientific articles provided by lecturers; do small exercises in class.

4. DUTIES OF STUDENTS

- Preparing for the lecture: Students must read relevant scientific papers provided by the instructor; do class exercises.
- Attitude: actively participating in asking questions, exchanging with other students in the class and lecturers related subjects.

5. RATING AND SCORING

- Score scale: 10
- Weight: Assessing the process score: 50% in the form of 2 thematic reports. Final evaluation: 50%: In the form of group exercises

6. LECTURERS

- *Teachers in charge* : Trịnh Ngọc Ái (SĐT: 0939027037; Email: ngocai@tvu.edu.vn; Huỳnh Kim Hường (SĐT: 0919800663; Email: hkhuong77@tvu.edu.vn)