

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
KNOWLEGES		
CELO1	Explain the biological characteristics of specialty aquatic species	ELO 1, 2
CELO2	Applying the biological characteristics of special aquatic species in the process of designing, operating the breeding and commercial production process	ELO 2, 3, 4
CELO3	Evaluate reproductive efficiency and development process of rearing subjects	ELO 2, 3, 4
SKILLS		
CELO4	Implement techniques for preparing the breeding tank (pond) and rearing right for each object	ELO 5, 8,9
CELO5	Implement techniques to select parents for breeding and breeding, effective breeding, feeding and self-adjusting nutrition to suit each farming object.	ELO 5, 8, 9
CELO6	Implement techniques to care, monitor and handle water environmental factors suitable for each type of culture.	ELO 5, 8, 9
CELO7	Implement appropriate preventive and treatment diagnosis techniques for each cultured species	ELO 5, 7, 8, 9
CELO8	Develop independent thinking and solve problems yourself	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: 2 credits (1 theory credits, 1 practice credits)
 Semester: 6 (2nd semester of 3rd year)

LEARNING CONTENT

- Chapter 1: Biological characteristics of some specialty aquatic species
- Chapter 2: The production process of specialty aquatic species
- Chapter 3: The process of raising specialty aquatic species

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: Performing care, managing objects for breeding, larval rearing, presenting results and interpreting the results.