



EXPECTED LEARNING OUTCOMES (ELOs) OF PROGRAMME

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 objects
ELO 4	Design the model of Aquaculture farming and seed production along the direction of clean production and ensuring safety food sources for human
SOFT SKILLS	
ELO 5	Apply creative thinking, critical thinking, and problem solving skills in 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 and understand English documents in the field of Aquaculture
PROFESSIONAL SKILLS	
ELO 8	Provide technical and business advice 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 course	ELOs of programme
KNOWLEGES		
CELO 1	Apply the biological characteristics and the role of aquatic plants and animals in the aquaculture process	ELO1
CELO 2	Analysis of species composition, organisms of phytoplankton, phytoplankton in ponds	ELO2, ELO3
CELO 3	Evaluate abnormal signs of zooplankton, phytoplankton during aquaculture	ELO3, ELO4
SOFT SKILLS		
CELO 4	Develop skills for independent work, teamwork	ELO6
CELO 5	Apply communication, presentation and report writing skills	ELO7
PROFESSIONAL SKILLS		
CELO 6	Classify species composition, algae organisms in rearing ponds	ELO5, ELO6, ELO8, ELO9
CELO 7	Determine algae density in ponds and advise solutions	ELO5, ELO6, ELO8, ELO9
ATTITUDES		
CELO 8	Conscious of professional ethics	ELO10
CELO 9	Demonstrate a sense of self-study and self-research	ELO11

COURSE DESCRIPTION

The course aims to introduce students to the biological characteristics of algae and aquatic animals, their distribution and application in aquaculture. It also trains students to recognize the shape of algae and aquatic animals. In addition, students are educated on the attitudes towards carefulness, hygiene, safety, as well as adhere to principles practiced in recognizing the shape of algae and aquatic animals, applying their role in the pond.

ASSESSING AND SCORING

- Score scale: 10
- Process evaluation: 50% (short question, presentation, practise in lab)
- Final exam: 50% (paper test)
- Number of credits: 2 credits (1 theory credits, 1 practice credits)
- Semester: 2nd semester (1st year)

COURSE CONTENTS

- Chapter 1: Biological characteristics of aquatic plants
- Chapter 2: Biological characteristics of aquatic animal
- Chapter 3: The role of aquatic animal and plant industries
- Chapter 4: Classification of aquatic plants
- Chapter 5: Classification of aquatic animals



DUTIES OF STUDENTS

- Attendance: Students must attend at least 70% for the theory and 90% for the practical.
- Preparation: 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 material independently, ask related questions
- Listen the lectures, watch videos, discuss in groups
- Listen and answer questions
- Do homework, specialized reports
- Practice: Observe sample operations and perform sample manipulations independently
- Report on practical part