

CO – OP 2 Engineering Laboratory

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

| Symbol | Expected learning outcomes of the module Complete this module, students made |
|-------------------|---|
| Knowledges | |
| | Applying knowledge about laboratory techniques at the enterprise |
| Skills | |
| | Proficient implementation of laboratory techniques |
| Attitudes | |
| | Demonstrate a positive learning attitude. |
| | Show entrepreneurship spirit. |
| | Demonstrating a sense of responsibility for careers, laboratory safety, environmental protection awareness and public health promotion. |

RATING AND SCORING

Score scale: 10
 In-house assessment: 50%, in-school evaluation: 50%
 Number of credits: 6 credits (6 practice credits)
 Semester 4 (Semester 2, 2nd year)



LEARNING CONTENT

- Chapter 1: Perform proficient analysis of laboratory samples
- Chapter 2: Result evaluation

LEARNING METHODS

- Read materials, refer to relevant resources.
- Work in groups, organize and lead work groups to achieve their learning goals.
- Conduct experiential learning: observe, analyze, plan and implement learning activities to improve professional knowledge and practical skills under the guidance of staff at the enterprise, adjusted according to process of self-analysis of feedback and suggestions from instructors and staff at the business.

DUTIES OF STUDENTS

- Attendance: Students must attend 100% for practice.
- Preparation: Students must read relevant specialized materials provided by lecturers / staff and participate in direct manipulation.
- Attitude: follow the rules of the internship.