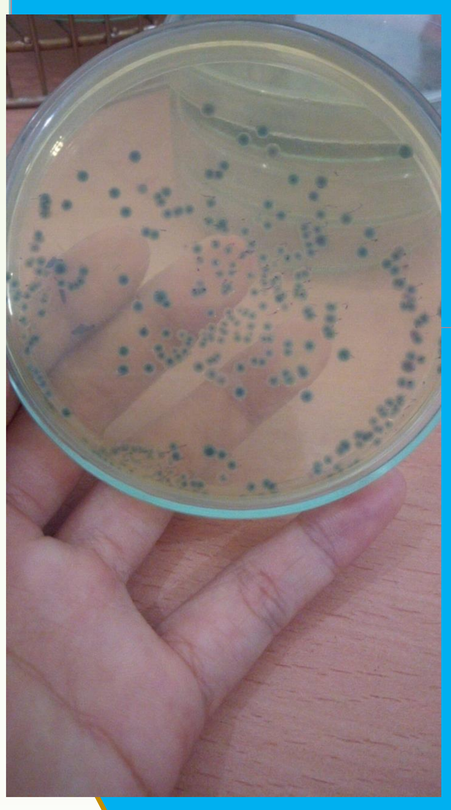
ISO 9001:2008

CO – OP 1
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

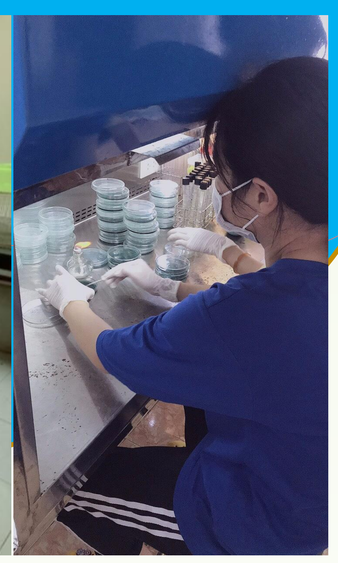


COURSE EXPECTED LEARNING OUTCOMES

Symbol	Expected learning outcomes of the module Complete this module, students made
Knowledges	
	Identify steps to prepare equipment and laboratory equipment
Skills	
	Perform laboratory operations, test and read the analysis results
Attitudes	
	Demonstrate a positive learning attitude.
	Demonstrate a spirit of love for a job.
	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 sample analysis operations in the laboratory
•Chapter 2: Check recorded results

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.

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.

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