

FACILITIES FOR AQUACULTURE

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

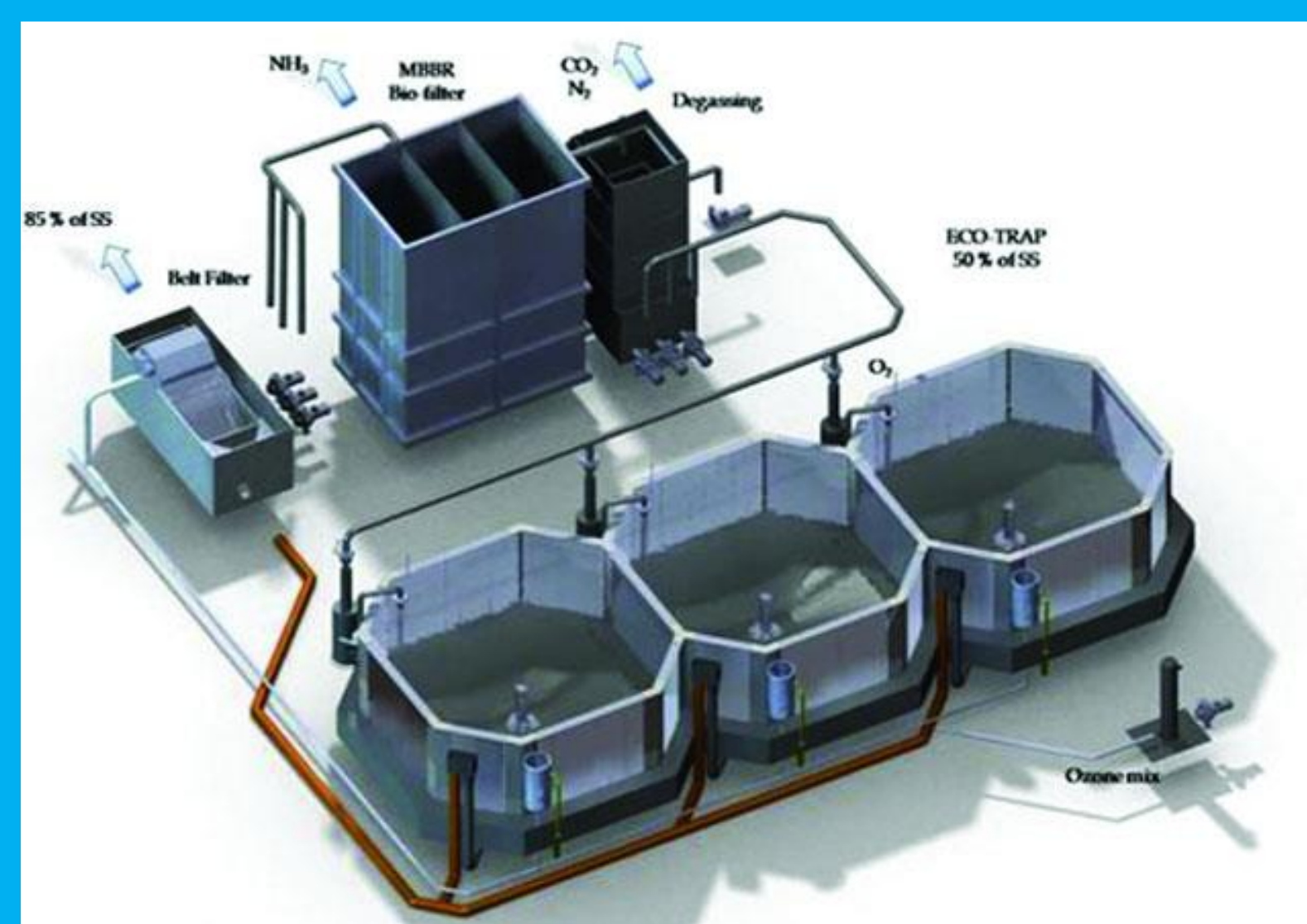
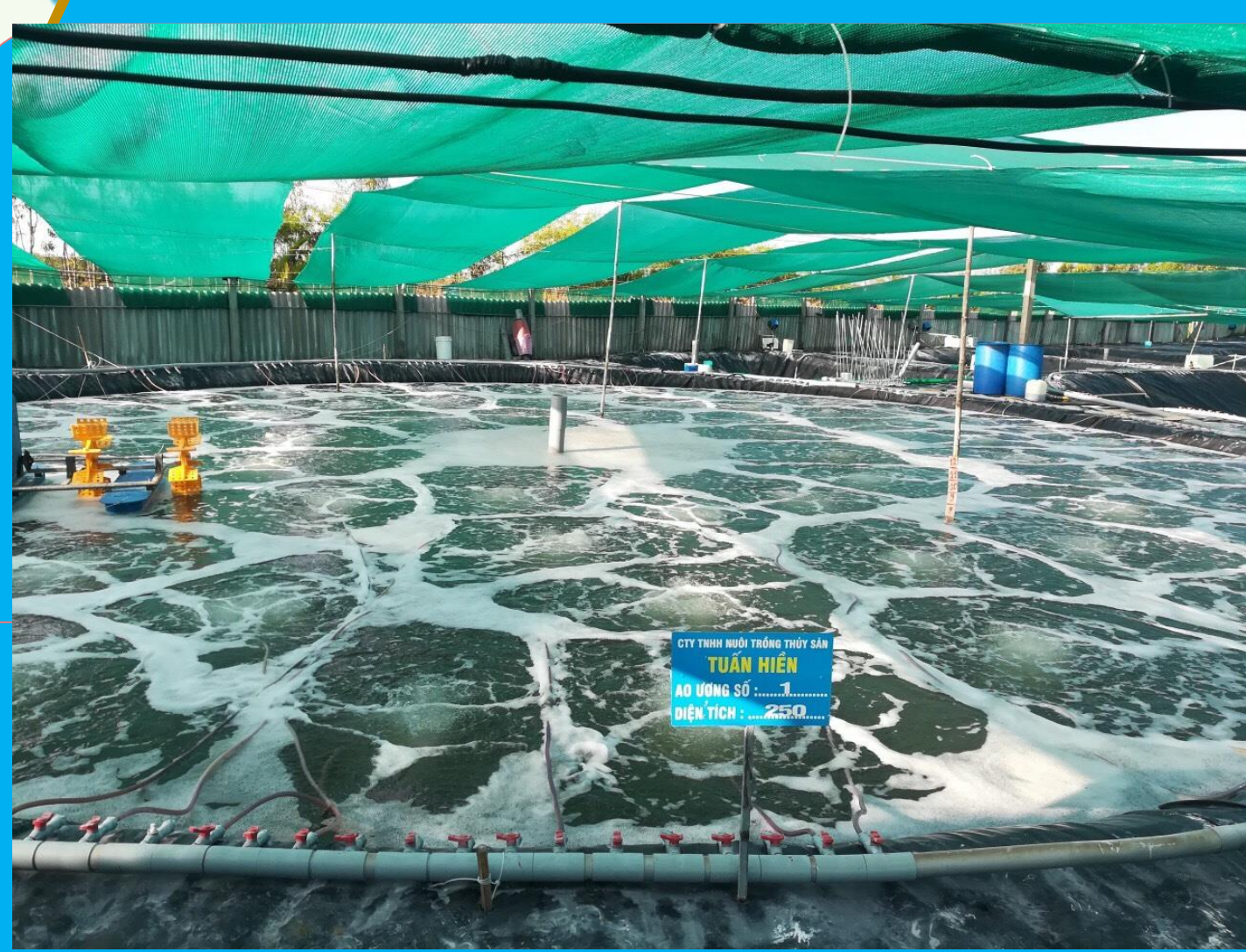
- ELO 5** Apply creative thinking, critical thinking, and problem solving skills in a variety of contexts.
- ELO 6** Work independently, lead the team, and manage the project towards its goals.
- ELO 7** Communicate effectively, understand cultural differences, read English documents in the field of 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	Applying biological characteristics of aquatic objects in the process of designing and building hatcheries and ponds and using equipment in fishery activities suitable to aquatic subjects.	ELO 4
CELO2	Identify methods of selecting locations for the construction of hatcheries and ponds and the use of equipment and facilities in fisheries activities.	ELO 4
CELO3	Evaluate the process of designing and building hatcheries and ponds suitable to aquatic subjects.	ELO 4
SKILLS		
CELO4	Implement techniques to build hatcheries and ponds suitable to aquatic subjects	ELO 5,6,9
CELO5	Implementation of equipment techniques and use of equipment in a manner suitable to aquatic objects	ELO 5,6,9
CELO6	Develop independent thinking and solve problems yourself	ELO 5,6
CELO7	Improve communication skills	ELO 7
ATTITUDES		
CELO 8	Awareness of professional ethics and environmental protection	ELO10
CELO 9	Conscious self-study to improve qualifications. Proactively identify problems and research materials to solve problems and desire to start a business.	ELO11



RATING AND SCORING

Score scale: 10
 Process evaluation: 50% + Final exam: 50%
 Number of credits: 2 credits (2 theory credits)
 Semester: 3 (3rd semester, 2nd year)

LEARNING CONTENT

- Chapter 1: Determining priorities in using agricultural land for aquaculture
- Chapter 2: Determining the process of selecting aquaculture locations
- Chapter 3: Assessment of sources of pollution
- Chapter 4: Estimation of the site's production capabilities
- Chapter 5: Planning to build farming systems
- Chapter 6: Building construction design
- Chapter 7: Designing and constructing hatchery works

DUTIES OF STUDENTS

- Attendance: Students must attend at least 80% for the theory.
- 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

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