



The 65th Short-term Training Course for University Students

Course Title: Ecosystem-Based Fisheries for Sustainable Fisheries Resources Management

Period and Duration: 20 – 30 May 2025 (11 Days)

Students: 30 students (from different universities)

Venue: Southeast Asian Fisheries Development Center/Training Department (SEAFDEC/TD)

Fishery resources are a crucial food source for the world's population. Sustainable fishing practices are essential for ensuring the long-term health of these resources and maintaining food security for people worldwide. However, the development of advanced fishing equipment and technologies has led to overfishing, causing a rapid decline in fish populations.

Therefore, fostering knowledge and understanding of proper and responsible fishing practices to ensure sustainable fishing is crucial for preserving fishery resources. Educating students about the value of these resources will provide them with essential information for utilizing and conserving them correctly and sustainably in the future.

Recognizing the importance of sustainable fisheries management, the Southeast Asian Fisheries Development Center (SEAFDEC) has launched a training course on "Ecosystem-Based Fisheries for Sustainable Fisheries Resources Management." This course provides students with both theoretical knowledge and practical training on responsible fishing practices, including activities related to fishing such as small vessel operation and survival at sea. Additionally, students will learn about coral reef fisheries resource data collection and practice designing questionnaires for gathering socio-economic data from fishing communities.

Objectives:

1. To enhance the knowledge and skills for sustainable fisheries resources management.
2. To impart knowledge to use coral reef survey techniques
3. To develop skills in developing and designing questionnaires for gathering socio-economic data from fishing communities.

4. To develop practical skills in operating small vessels, including safety procedures and survival techniques at sea
5. To enhance team working of students for good collaboration and efficiency

Training methodologies:

The training is composed of in-class lectures, group discussions, and practical sessions.

In class Lectures and Discussions

- Oceanographic Features in the Gulf of Thailand
- Marine Pollution in the Gulf of Thailand
- Ecosystem Approach to Fishery Management (EAFM)
- Post Harvest Fishing
- Extension Media in Fishery
- Safety Onboard and Passage Planning
- Introduction to Coral Reef Ecology and Biodiversity
- Coral Reef Benthic Identification
- Fishing gear
- Awareness to Combat IUU Fishing
- Biological Oceanographic Survey
- Assessing Impact on Marine Environments and Fisheries
- Socio-economic in Fishery Community

Practical sessions

- Personal Survival, Safety at Sea Techniques and Passage Planning
- Reef Benthic Survey Images Analysis Using CPCe Software
- Rope, Knotting and Simple Fishing Gears Construction
- Develop a Questionnaire for Community and Resources Surveys in the Fishery Community