



The 66th Short-term Training Course for University Students

Course Title:	Ecosystem-Based Fisheries for Sustainable Fisheries Resources Management
Period:	19–29 May 2026 (11 Days)
Number of Students:	40 (from various universities)
Venue:	Southeast Asian Fisheries Development Center/Training Department (SEAFDEC/TD)

Fishery resources are a vital food source for the global population. Sustainable fishing is, therefore, essential to maintain ecological balance and food security. However, the current development of fishing gear and technology, which focuses primarily on maximizing catch volume, has intervened in natural cycles and led to a rapid decline in fish stocks.

Therefore, enhancing students' knowledge and understanding of proper and responsible fishing practices is essential for achieving sustainable fisheries and conserving fisheries resources. This effort will help students appreciate the value of these resources and provide them with the crucial foundation needed to ensure their proper utilization and sustainable conservation in the future.

Recognizing the importance of sustainable fisheries management, the Southeast Asian Fisheries Development Center, Training Department (SEAFDEC/TD) has launched a short-term 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 operations and survival at sea. Furthermore, students will acquire knowledge on marine fisheries resources data collection in coral reef ecosystems, as well as develop practical skills in designing questionnaires to gather socio-economic and livelihood data from fishing communities.

Objectives

1. To enhance 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

- **Fisheries Management:** Ecosystem Approach to Fisheries Management (EAFM), and Prevention of Illegal, Unreported, and Unregulated (IUU) fishing
- **Marine Science:** Marine Pollution in the Gulf of Thailand, Biological Oceanographic Surveys, and Coral Reef Ecosystems
- **Technical and Engineering:** Maritime Safety, Navigational Planning, and Fishing Gear
- **Social Science:** Fisheries Socioeconomics, Gender Dimensions in Fisheries, and Approaches to Developing Fisheries Extension Media

Practical sessions

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