



## The 64<sup>th</sup> Short-term Training Course for University Students

<b>Course Title</b>	: Ecosystem-Based Fisheries for Sustainable Fisheries Resources Management
<b>Period and Duration</b>	: 13 – 21 May 2024 (9 Days)
<b>Participants</b>	: 30 students (from different universities)
<b>Venue</b>	: Training Department, Southeast Asian Fisheries Development Center (SEAFDEC/TD)

### Introduction

Fishery resources are essential for global food security, providing sustenance to billions of people around the world. However, the use of advanced technologies to catch more fish has led to overfishing and the extinction of some species, threatening the sustainability of this vital resource.

Ensuring sustainable fish capture and resource conservation requires equipping future generations with the knowledge and understanding of proper fishing practices. By offering them comprehensive training, building their understanding, and instilling strong ethical principles, we empower them to value resources and utilize them responsibly for the future.

Recognizing the crucial role of sustainable fisheries management, the Southeast Asian Fisheries Development Center has launched the training course "Ecosystem-Based Fisheries for Sustainable Fisheries Resources Management". Designed to equip students with a holistic understanding, this course delves into both theoretical frameworks and practical aspects of responsible fishing practices. Participants will gain hands-on experience in areas like ship handling and personal survival and safety at sea techniques. Furthermore, the course emphasizes data collection, including the study of fisheries resources in coral reefs and the development of effective questionnaires to gather insights into the lives and practices of 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 knowledge and experience of effective questionnaires for the socioeconomic and livelihood of fishing communities.
4. To enhance knowledge and skills in safely operating small boats and surviving 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 Group Discussions

- Oceanography in the Gulf of Thailand

- Marine Pollution - Causes, Effects, and Remedial Solutions
- Awareness to Combat IUU Fishing
- Fish Handling and Preservation Techniques
- Extension Media in Fishery
- Ecosystem Approach to Fishery Management (EAFM)
- Safety Onboard, Personal Survival, and Safety at Sea Techniques
- Introduction to Coral Reef Ecology and Biodiversity
- Coral Reef Benthic Identification
- Fishing Gear in Thailand (Existing fishing gear as small-scale and commercial scale)
- Socioeconomic in Fishery Community

### **Practical Sessions**

- Ship Handling, Personal Survival, and Safety at Sea Techniques
- Coral Reef Survey Techniques
- 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