



Course Outline

Annual International Training Course

1. Course Title:

International Training Workshop on Inland Aquaculture

2. Duration:

20 - 31 March 2023, Department of Fisheries, Bangkok, Thailand

3. Background:

Thailand International Cooperation Agency (TICA)

TICA is a national focal point for Thailand's international development cooperation. It was established in 2004 to realize Thailand's aspiration to be a contributor to international development cooperation. Believing that global challenges are best addressed through international cooperation and global partnership, TICA continues to work closely together with its development partners to realize the global development agenda through various capacity-building and human resources development programmes. In response to the recent changes in the global landscape of development cooperation, TICA has strengthened its partnerships to harness the synergy of South-South and Triangular Cooperation to tackle global development challenges, including expediting the implementation of Sustainable Development Goals (SDGs). It also continues to realign our focuses in order to deliver Thailand's commitments as a global reliable partner.

Since 1991, TICA, in collaboration with educational institutions in Thailand, has offered short-term training courses under its Annual International Training Course (AITC) programme. The number of courses offered each year varies between 25 to 35 courses for 20-35 participants per course. AITC not only fosters good and friendly relations which Thailand has already enjoyed with recipient countries across regions, but also helps Thailand to reach out to those countries with which we desire to engage more closely. The courses offered by TICA in 2023-2025 are categorized into 5 themes: Sufficiency Economy Philosophy (SEP), food security, climate change and environmental issues, public health, BCG Model related.

Organization/Institution

The Department of Fisheries, Ministry of Agriculture and Cooperatives is a government agency that conducts study, research, survey, research, analysis, experimentation in all academic fields of fisheries, as well as to promote, support and develop the country's fisheries-related careers to advance in the future.

4. Objectives:

The program is designed to:

1. To provide trainees with knowledge in aquaculture in a sufficiency economy model and freshwater aquaculture technology by lectures and practice.
2. To gain knowledge understanding and skills in promoting Inland Aquaculture by lectures and study visits.
3. Trainees are able to apply the knowledge gained in the development of sustainable aquaculture in each country.
4. Trainees have an opportunity to exchange knowledge and experiences from freshwater aquaculture with trainees from other countries.
5. Strengthen relations between Thailand and the countries participating in the training.

5. Course Contents:

1. Aquaculture in a sufficiency economy model
2. Aquaculture system and freshwater fish farming technology
3. Disease and prevention of disease for inland aquaculture
4. Fish Nutrition and feed management
5. Aquaculture biosecurity management
6. Giant freshwater prawn (*Macrobrachium rosenbergii*) breeding and culture.
7. Aquaculture of Tilapia, Common carp, Catfish and other species
8. Aquatic plants propagation and culture

6. Participants' Criteria:

Applicants must fulfill the following requirements:

- Be nominated by their respective governments;
- Education: Bachelor's degree; in Fisheries
- Language: proficiency in English (speaking, reading and writing)

7. Attendance and Evaluation

Participants who complete the training will receive a certificate based on:

- Real-time class attendance (not less than 80%)
- Interactive class participation
- Presentation and report

8. Venue: online

9. Expected Results:

Trainees have knowledge, understanding, and skills in freshwater aquaculture and the development of aquaculture in a course.

10. Organization/ Institution:

- **Implementing Agency;**

Inland Aquaculture Research and Development Division, Department of Fisheries

Tel.: (+66) 2579 6687

- **Contact Person:**

Mrs. Aunchalee Nongnoul inland.techs@gmail.com

Tel.: (+66) 8 1915 1328

11. Expenditure/Funding:

Thailand International Cooperation Agency (TICA)

Government Complex, Building B (South Zone), 8th Floor,

Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND

Website: <https://tica-thaigov.mfa.go.th/en/index>

Email: aitc@mfa.go.th

Schedule for the Training Programme:
International Training Workshop on Inland Aquaculture

Date/ Period /Topic	Time (Thailand time)	Content	Speaker	Note
Day 1:				
20 March 2023 (Monday)	13:00 - 14:00	Lecture - Introduction to the training workshop agenda	DOF Team	
	14:00 - 16:00	Lecture - Aquaculture in a sufficiency economy model	DOF Team	
Day 2:				
21 March 2023 (Tuesday)	13:00 - 16:00	Lecture -Smart Farming Technologies and IOT for aquaculture	DOF Team	
Day 3:				
22 March 2023 (Wednesday)	13:00 - 16:00	Lecture - Aquaculture in Thailand and biosecurity management	DOF Team	
Day 4:				
23 March 2023 (Thursday)	13:00 - 16:00	Lecture - Fish Nutrition, Feeds, and Feeding	DOF Team	
Day 5:				
24 March 2023 (Friday)	13:00 - 16:00	Lecture - Solar energy for aquaculture and carbon footprint analysis	DOF Team	
Day 6:				
27 March 2023 (Monday)	13:00 - 16:00	- Fish disease and prevention of fish disease for inland aquaculture	DOF Team	
Day 7:				
28 March 2023 (Tuesday)	13:00 - 16:00	Lecture - Aquatic plants propagation and culture	DOF Team	

Day 8:				
29 March 2023 (Wednesday)	13:00 - 16:00	Lecture - Tilapia breeding and culture, sex reversal technique	DOF Team	
Day 9:				
30 March 2023 (Thursday)	13:00 - 16:00	Lecture - Giant freshwater prawn (<i>Macrobrachium rosenbergii</i>) breeding and culture	DOF Team	
Day 10:				
31 March 2023 (Friday)	13:00 - 16:00	Lecture - Aquaculture of common carp and other species	DOF Team	