

Course Code	Course Name	Credits
26ZY953	ORNAMENTAL FISHERIES	04

Course Objectives

- To understand ornamental fisheries and aquarium management.
- To study breeding and culture of ornamental fishes.
- To develop knowledge on fish nutrition and health.
- To understand trade and export potential.
- To enhance entrepreneurial skills in ornamental fisheries.

Learning Outcomes

- Explain the importance of ornamental fisheries.
- Identify commercially important ornamental fishes.
- Demonstrate aquarium management techniques.
- Analyze breeding and disease management methods.
- Apply ornamental fisheries techniques commercially.

Unit 1 - Introduction to Ornamental Fisheries (12 Hrs.)

Scope and importance; ornamental fish industry; freshwater and marine species.

Unit 2 - Aquarium Setup and Management (12 Hrs.)

Aquarium construction; water quality management; filtration and aeration systems.

Unit 3 - Breeding and Nutrition (12 Hrs.)

Breeding methods; hatchery management; feed and feeding practices.

Unit 4 - Fish Health Management (12 Hrs.)

Common diseases; disease prevention and treatment; quarantine measures.

Unit 5 - Marketing and Export (12 Hrs.)

Packaging and transportation; marketing strategies; export potential and entrepreneurship.

Reference Books:

1. Axelrod, H.R. (2016). Tropical Fish Keeping. TFH Publications.
2. Francis-Floyd, R. (2017). Ornamental Fish Health. Wiley.
3. Ramachandran, A. (2018). Aquarium Management. Dava Publishing House.
4. Rath, R.K. (2017). Aquaculture. Scientific Publishers.
5. Ghosh, A. (2019). Ornamental Fish Farming. Narendra Publishing House.

Websites and eLearning Sources:

1. <https://www.eifa.nic.in/>
2. <https://www.fao.org/>
3. <https://www.agrimoon.com/>

