FAT 312 – Ornamental and Recreational Fisheries

COURSE PARTICULARS

Course Code: FAT 312
Course Title: Ornamental and Recreational Fisheries
No. of Units: 2
Course Duration: Four hours of theory and two hours of practical per week for 12 weeks.
Status: Compulsory
Course Email Address: NIL
Course Webpage: NIL
Prerequisite: NIL

COURSE INSTRUCTORS

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COURSE DESCRIPTION

This course is designed primarily for students in fisheries management. However, it also meets the need of students in other fields, as a course that provides hand – on training in design, construction and maintenance of aquaria and ponds for ornamental fishes. As a practical course, the focus is to impart useful skills on the students in order to enhance their management techniques and daily routine operations in the culture of ornamental and recreation fisheries. Topics to be covered include: identification, management and nutrition of ornamental fishes, design, construction and maintenance of aquaria and ponds for ornamental fishes, culture and breeding of aquarium fishes, sport fishing in recreation and tourism, economic importance of ornamental and sport fishes especially tropical fish species.

COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to freshwater and marine aquarium fishes; and
- demonstrate to students the design, construction and maintenance of home aquaria.
- Educate the students on the importance and relevance of recreational fisheries in the society

COURSE LEARNING OUTCOMES / COMPETENCIES

Upon successful completion of this course, the student will be able to:
(Knowledge based)

- identify freshwater and marine aquarium fishes suitable for home aquarium;
- understand the management and nutrition of ornamental fishes
- understand the culture and breeding techniques of aquarium fishes
- understand the various types of aquaria and their construction techniques;

(Skills based)

- construct a fish aquarium
- Manage and maintain the constructed aquarium

GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	10%
Assignment	10%
Practical	20%
Test(s)	20%
Final Examination	40%
TOTAL	**100%**

GENERAL INSTRUCTIONS

Attendance: It is expected that every student will be in class for lectures and also participate in all practical exercises. Attendance records will be kept and used to determine each person's qualification to sit for the final examination. In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with any of the instructors, indicating the reason for the absence.

Academic Integrity: Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited. You are not allowed to make copies of another person's work and submit it as your own; that is plagiarism. All cases of

academic dishonesty will be reported to the University Management for appropriate sanctions in accordance with the guidelines for handling students' misconduct as spelt out in the Students' Handbook.

Assignments and Group Work: Students are expected to submit assignments as scheduled. Failure to submit an assignment as at when due will earn you zero for that assignment. Only under extenuating circumstances, for which a student has notified any of the instructors in advance, will late submission of assignments be permitted.

Code of Conduct in Lecture Rooms and Laboratories: Students should turn off their cell phones during lectures. Students are prohibited from engaging in other activities (such as texting, watching videos, *etc*.) during lectures. Food and drinks are not permitted in the laboratories.

READING LIST

[4]Gupta S. K. And Gupta P. C (2006): General and applied Ichthyology (Fish and Fisheries). Published by S. Chand & Company, India. 1133p

[4]George F. H and Jack H: A guide to freshwater aquarium fishes. Published by the Hamlyn group Ltd, London. 176p

[4]Reginald D.: The right way to keep pet fish. Published by Cox & Wyman Ltd. Great Britain. 127p

Legend
1- Available in the University Library
2- Available in Departmental/School Libraries
3- Available on the Internet.
4- Available as Personal Collection
5- Available in local bookshops.

COURSE OUTLINE

Week	Topic	Remarks
1	Introduction and Course Overview	During this first class, the students will be given an explanation of what the course looks like and what is expected of them.
2 & 4	• Identification • Management & • Nutrition of ornamental fishes	The topics require that the students should be able to identify and manage ornamental fishes. Also, the students will be taught on the nutritional requirement of ornamental fishes
5 & 7	Design, construction and maintenance of aquarium	The students will be distributed into groups and each group is to submit a constructed aquarium
8	Culture and breeding of aquarium fishes	Students will be taught the breeding techniques of aquarium fishes MID-SEMESTER TEST
9 & 10	• Sport fishing in recreation and tourism • Economic importance of ornamental and sport fishes	Students will be requested to submit their assignment

11 & 12	• Management techniques and daily routine in culture of ornamental and recreational fisheries • Revision	Students will be required to develop a roaster in managing the aquarium they construct.