



# THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

## *Department of Fisheries and Aquaculture Technology*

### FAT 405 – Marine Fisheries Resources

#### COURSE PARTICULARS

**Course Code:** FAT 405

**Course Title:** Marine Fisheries Resources

**No. of Units:** 2

**Course Duration:** Two hours of theory per week for 12 weeks.

**Status:** Compulsory

**Course Email Address:** NIL

**Course Webpage:** NIL

**Prerequisite:** NIL

#### COURSE INSTRUCTORS

**Dr. O. O. Olawusi-Peters,**

*Room 218, 2<sup>nd</sup> Floor, SAAT Building,*

*Dept. of Fisheries & Aquaculture Technology,*

*Federal University of Technology, Akure, Nigeria.*

**Phone:** +2348164005457

**Email:** [oolawusipeters@futa.edu.ng](mailto:oolawusipeters@futa.edu.ng)

#### COURSE DESCRIPTION

This course is designed primarily for students in fisheries management; the focus is to impart useful skills on the students in order to broaden their understanding on the marine environment, its physical features and the principal marine fisheries of Nigeria. Topics to be covered include: Plankton resources, primary production, food chain relationships, factors influencing primary and secondary production, benthic and reef fishes, coastal pelagic fishes, oceanic pelagic fishes, demersal fishes, status and trend of major fish resources in the region.

#### COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to the marine environment and its physical features;
- introduce students to the principal marine fisheries of Nigeria
- Educate the students on the status and trends of major fish resources in the region.

## COURSE LEARNING OUTCOMES / COMPETENCIES

Upon successful completion of this course, the student will be able to:

(*Knowledge based*)

- identify benthic and reef fishes, coastal pelagic fishes, oceanic pelagic fishes, demersal fishes
- understand the status and trends of major fish resources in the region
- understand the factors influencing primary and secondary production

## GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	10%
Assignment	10%
Test(s)	20%
<u>Final Examination</u>	<u>60%</u>
<b><u>TOTAL</u></b>	<b><u>100%</u></b>

## 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

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

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

<sup>4</sup>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 & 3	Marine environment and its physical features	The topics require that the students should be able to understand the physical features of the marine environment and how it affect organism distribution
4 & 7	Plankton resources, primary production, food chain relationship and factors influencing primary and secondary production	Students will be taught the types of plankton, importance of plankton to aquatic ecosystem and its relevance in food chain relationship.
8-10	Benthic and reef fishes, coastal pelagic fishes, oceanic pelagic fishes, demersal fishes.	Students will be taught the characteristic features of the various fishes in respect to zonation
		<b>MID-SEMESTER TEST</b>
11-12	Status and trends of major fish resources in the region	Students will be requested to submit their assignment.

11 & 12	<ul style="list-style-type: none"><li>• Management techniques and daily routine in culture of ornamental and recreational fisheries</li><li>• Revision</li></ul>	Students will be required to develop a roaster in managing the aquarium they construct.
---------	--	---