



# THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

## *Department of Fisheries and Aquaculture Technology*

### **FAT 201 - Introduction to fisheries and Aquaculture**

---

**Course Code:** FAT 201

**Course Title:** Introduction to fisheries and Aquaculture

**No. of Units:** 2

**Course Duration:** Two hours of theory per week for 15 weeks.

**Status:** Compulsory

**Prerequisite:** NIL

### **COURSE INSTRUCTORS**

**Professor E.O Adeparusi**

*Dept. of Fisheries & Aquaculture Technology,  
Federal University of Technology, Akure, Nigeria.*

**Phone:** +2348034039046

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

### **COURSE DESCRIPTION**

This course is designed mainly for students in Fisheries, Aquaculture and related disciplines. It is an introductory course which prepare students for both theoretical and practical courses in higher levels. Topics to be covered include Principles and problems of fish production, Management and conservation of West African fish resources. Fisheries recreation and amenities. Fisheries park, zoo, sport fishing, marine park. Identification, nomenclature, morphology and evolution of some selected West African fish species. Identification of common aquatic and terrestrial organisms of food value in fisheries. Principles of aquaculture, cultivable fish species in Nigeria.

### **COURSE OBJECTIVES**

The objectives of this course are to:

- familiarise students with basic terminology used in fisheries and aquaculture;
- provide students with necessary skills to identify fish species using morphological features.

## COURSE LEARNING OUTCOMES / COMPETENCIES

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

*(Knowledge based)*

- highlight the importance of fish production to Nigeria as a nation;
- describe the various challenges fish production is facing
- identify various species of fish that are culturable in Nigeria

## GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

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

## GENERAL INSTRUCTIONS

**Attendance:** In this course every student is expected to be in class five minutes before the commencement of lectures and also partake in all practical trainings. Attendance will be taken in all lectures and practical sessions. The records will be kept and used to establish the suitability of the student to sit for the final examination. However, cases of illness or other inevitable cause of absence must be communicated to the course lecturer stating the reason for the absence.

**Academic Integrity:** Contravention of academic integrity, including dishonesty in assignments, examinations, or other academic performances are forbidden. 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 at when due. Failure to submit an assignment as scheduled will earn the student zero for that assignment. Late submission will only be allowed under justifying circumstances, for which the student has notified the lecturer.

***Code of Conduct in Lecture Rooms, Laboratories and Fish Farm:*** Students are expected to attend lectures and practical sessions punctually. Silence must be observed in class. Students should turn off their cell phones during lectures and practical sessions. Food and drinks are not permitted in the laboratories.

## READING LIST

<sup>1</sup>Muir, J.F. and Roberts, R.J. (1994). *Recent Advances in Aquaculture*. Blackwell Publishing Ltd. UK. 238p.

<sup>1,2</sup>Pillay, T.V.R. and Kutty, M.N. (2005). *Aquaculture Principles and Practices*. Second Edition. Blackwell Publishing Ltd. UK. 624p.

<sup>3</sup>Adesulu E.A and Sydenham D.H.G (2007). *The Fresh water Fishes and Fisheries on Nigeria*. Macmillian Nigeria publishers, Nigeria. 397p

### ***Legend***

1- Available in the University Library

2- Available as Personal Collection

3-Available in local bookshops.

## COURSE OUTLINE

<b>Week</b>	<b>Topic</b>	<b>Remarks</b>
1	Principles and problems of fish production.	During this first class, the anticipation of the students from the course will also be documented. Students will be introduced to the importance of fish farming and various challenges it faced.
2&3	Principles of aquaculture, cultivable fish species in Nigeria.	Students will be divided into groups and ask to write on species of fish found in their localities with common an local names.
4, 5 &6	Identification, nomenclature, morphology and evolution of some selected West African fish species.	Students will be taught to identify fish using taxonomical tools
7&8	Management and conservation of West African fish resources.	Reference will be made to some lakes in West Africa
9 & 10	Fisheries recreation and amenities.	MID-SEMESTER TEST
11 &12	Fisheries park, zoo, sport fishing, marine park.	
13 & 14	Identification of common aquatic and terrestrial organisms of food value in fisheries	Practical demonstration will be carried out by the lecturer/Technologist.
15	REVISION	This is the week before the final examination. At this time, assessment will be done to evaluate how far the students' expectations for the course have been met.