



THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

Department of Crop, Soil and Pest Management

CSP 201 – General Agriculture Theory

COURSE PARTICULARS

Course Code: CSP 201

Course Title: General Agriculture Theory

No. of Units: 1

Course Duration: One hour of theory per week for 15 weeks.

Status: Compulsory

Course Email Address:

Course Webpage:

Prerequisite: NIL

COURSE INSTRUCTORS

Dr. O.P. Aiyelari

Room 225, SAAT Main Building

Dept. of Crop, Soil and Pest Management,

Federal University of Technology, Akure, Nigeria.

Phone: +2348033932320

Email: opaiyelari@futa.edu.ng

and

*Lecturers from other Departments in the School of Agriculture and Agricultural Technology
(as may be nominated by their respective Heads of Departments.)*

COURSE DESCRIPTION

Importance and scope of agriculture. Land and its uses with particular reference to agriculture. Introductory crop production. Agricultural ecology of Nigeria. Agronomy of some arable crops. Land preparation. Harvesting, processing and reservation method. Farm tools and machinery including tractor driving and by-products. Basic farm management techniques. Fisheries and wildlife production. Forest products. General introduction to livestock production and health.

COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to rudimentary agriculture; and
- provide students with opportunities to develop interest in different aspects of agriculture.

COURSE LEARNING OUTCOMES / COMPETENCIES

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

(Knowledge based)

- understand and appreciate the role of agriculture in nation building;
- Understand basic farm management techniques;
- understand basic crop husbandry practices, forest products and utilization, wildlife and livestock production, and various methods of processing, storage and marketing of various agricultural products.

GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Assignments	20%
<u>Final Examination</u>	<u>80%</u>
<u>TOTAL</u>	<u>100%</u>

GENERAL INSTRUCTIONS

Attendance: It is expected that every student will be in class for lectures. 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

¹Introduction to General Agriculture Theory Manual (CSP201)

Legend

- 1- Available in the University Library
- 2- Available in Departmental/School Libraries
- 3- Available in Room 225 SAAT Main building.

COURSE OUTLINE

Week	Topic	Remarks
1	Introduction and Course Overview	During this first class, the expectation of the students from the course will also be documented.
2 & 3	Introduction to Crop, Soil and Pest Management <ul style="list-style-type: none"> • Classification of crop plants • Land use for agriculture • Cultural practices in crop production 	Students will be taught about classification of crop plants based on: duration of growth, botanical systems and from agronomic point of view; farming and cropping systems and basic crop husbandry practices.
4 & 5	General introduction to agricultural economics and extension <ul style="list-style-type: none"> • Scope of agricultural economics • Scope of agricultural extension 	In CSP201, students will also learn about the interaction between agricultural economics and other agricultural disciplines, farm management principles, basic tools and concepts in farm management.
6 & 7	Introduction to animal production and health <ul style="list-style-type: none"> • Management systems for farm animals • Purpose of keeping livestock • Problems of livestock production in Nigeria • Principles of livestock management • Sheep and goat production, pig production, and rabbitry. 	Students will also learn about ruminant, monogastric and non-ruminant farm animals; selection of good animals for the farm, feeding and housing of farm animals/livestock and common diseases associated with livestock
8 & 9	Introduction to food science and technology <ul style="list-style-type: none"> • What is food and what is food science and technology? Food science and technology in Nigeria. • Classification of foods • Introduction to micro-flora of foods. 	Students will be taught about some unit operations in food processing, specific food spoilage organisms.

	<ul style="list-style-type: none"> • Food quality as it relates to the physical, chemical and biological principles of food processing and preservation. 	
10 & 11	<p>Introduction to fisheries and wildlife</p> <ul style="list-style-type: none"> • Fisheries (background information) • Objectives, importance of fisheries and fish production in Nigeria • Characteristics of small scale and industrial fisheries, criteria for selecting fish species for culture, list of fishing gear • Wildlife value and wildlife conservation areas in Nigeria. 	<p>Students will be taught on water resources of Nigeria., fish production kevel from capture fisheries, constraints of artisanal fisheries, fish farming and systems of wildlife production</p>

12 & 13	<p>Introduction to forestry and wood technology</p> <ul style="list-style-type: none"> • What is forestry? Problems and solution to forest management • Plantation development in Nigeria • Non timber forest products (NTFP) and classification. • Manufacture components of wood 	<p>Students will also learn about plantation forestry, causes and impacts of deforestation and factors militating against NTFP development, chemical products and extractives, final (finished) wood products.</p>
14 & 15	REVISION	<p>This is the week preceding the final examination. At this time, evaluation will be done to assess how far the students' expectations for the course have been met.</p>