



THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

Department of Forestry and Wood Technology

FWT 313 – Plant Introduction and Quarantine

COURSE PARTICULARS

Course Code: FWT 313

Course Title: Plant Introduction and quarantine

No. of Units: 2

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

Status: Elective

Course Email Address: fwt204@gmail.com

Course Webpage: <http://www.fwt.futa.edu.ng/courseschedule.php?coursecode=FWT%20204>

Prerequisite: NIL

COURSE INSTRUCTORS

Dr.S. A.Adeduntan

Room 129 1st Floor, SAAT Building,

Dept. of Forestry & Wood Technology,

Federal University of Technology, Akure, Nigeria.

Phone: +2348063480727

Email: saadeduntan@futa.edu.ng

COURSE DESCRIPTION

Principles and effectiveness of plant quarantine; Quarantine regulations and the drawbacks; Pest/pathogen detection techniques; Methods of salvaging infested materials; Examination of pest/pathogen risks; principles of plant introduction and tree improvement; seed certification; utilisation of gene resources.

COURSE OBJECTIVES

Specific objectives are to:

- Understand the principles of Plant Introduction and Quarantine.
- Develop necessary skill to salvage infested material.
- Actively contribute to learning environment

COURSE LEARNING OUTCOMES / COMPETENCIES

Upon successful completion of this course the students will be able to

1. Student should be able to understand the principles of plant introduction and quarantine.
2. Students should be able to carry out effectively quarantine tests
3. Describe various ways to detect infected plant material.
4. Describe ways by which pathogen / pest could be brought in to a new environment or country
5. Would be able to adopt the appropriate detection method as appropriate to the planting materials.

GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	10%
Assignments	10%
Test(s)	10%
<u>Final Examination</u>	<u>70%</u>
<u>TOTAL</u>	<u>100%</u>

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.

READING LIST

Burge M.N (1988): *Fungi in Biological Control System*. Manchester University press
Manchester ISBN: 0-7190-1979-6

Other source of books for further reading

- 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 to the course: Plant Introduction and Quarantine	During this first class, the expectation of the students from the course will also be documented.
2	Meaning and history of : <ul style="list-style-type: none"> • plant introduction • Plant Quarantine 	Student will be thought the meaning and history of plant
3 & 4	. Pest / Pathogen detection techniques <ul style="list-style-type: none"> • Generalized test • Specialized test 	
5	<ul style="list-style-type: none"> • Salvaging Infested / Infested material 	
6	Examination of Pest/Pathogen risk in plant Introduction	
7 & 9	<ul style="list-style-type: none"> • Quarantine regulations • Factors that plant quarantine consider in regulating plant introduction. • Ways to strengthen plant quarantine system 	
		MID-SEMESTER TEST
10	<ul style="list-style-type: none"> • Examples of effective use of plant quarantine. 	
11	Term paper Presentation	Students shall be group for term paper and at the end there shall be oral presentation of such paper by the representative of the group
12 & 13	Quarantine regulations <ul style="list-style-type: none"> • Evasion of pathogen • Drawbacks of plant quarantine 	
14 & 15	Revision	

