

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title:

PPTH 260 Diseases of Trees & Shrubs

Number of credits: 3

Course Description:

In Diseases of Trees & Shrubs students will learn how to properly diagnose and treat specific diseases, abiotic disorders, and insect pests which attack woody plants.

Pre-requisites:

None (Ideally, students will have already taken PPTH 255 Plant Disease Management.)

Course Objectives:

It is expected that students will:

Learn how to diagnose and treat tree diseases.

Learn how to recognize abiotic disorders and how to prevent them.

Learn how to identify insect damage and the treatment options available.

Instructor:

Bob Underwood

Office:

Home: Avon, IL

Office Hours:

When you email or call

Phone:

701-871-1041

Email:

bob.underwood@dakotacollege.edu

Lecture/Lab Schedule:

Online

Textbook:

Title: Diseases of Trees and Shrubs
Author: Wayne A Sinclair and Howard H. Lyon
Publisher: Cornell University Press
Edition/Year: 2nd Edition
ISBN: 978-0-8014-4371-8

Course Requirements:

Tests: 13 topic quizzes worth 18-36 points each.
Lab Assignments: 13 labs are worth 8-22 points. 754 points total for class.
Grading is on the 90-80-70-60% grading scale.

Course Outline:

Week 1
Abiotic Disorders

Week 2
Abiotic Disorders

Week 3
Abiotic Disorders

Week 4
Lichens, Moss, and Other Non-parasites

Week 5
Overview of Fungal Disease

Week 6
Fungal Leaf Diseases

Week 7
Fungal Leaf Diseases

Week 8
Mid-Terms

Week 9
Canker Diseases

Week 10
Wood Rots

Week 11
Bacterial Disorders

Week 12
Wilts and Rusts

Week 13
Viruses

Week 14
Nematodes

Week 15
Review

Week 16
Final Exam

Relationship to Campus Theme: Nature, Technology and Beyond

Plant diseases impact our forests, parks, and urban landscapes. Yet, in **nature** diseases play an important role in promoting diversity among species as well as helping to keep overall plant populations strong. New **technologies** are introduced constantly in order to battle these pathogens. The **future** of plant pathology will be to find ways to work with nature in order to prevent disease instead of trying to control it.

Classroom Policies:

This three credit, online course requires the following to build and engage a classroom community of learners:

Log in to the course a minimum of three times per week.

Complete and submit coursework on time.

Pace yourself, and make sure that all assignments are completed by the end of the semester.

Late work may not be submitted and will earn 0 points.

Communicate with the instructor.

Reading the assigned texts is the student's responsibility and is essential to success in this course.

This academic environment is open and harassment free.

Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

Academic Integrity:

Discussion among students during class projects is encouraged, however all tests are meant to be done entirely by the student. Any instance of cheating while taking a test will result in an automatic "F" for the test, and a possible "F" for the course.

Disabilities and Special Needs:

If you have a disability for which you need accommodation, contact the Learning Center to request disability support services. Thatcher Hall 1104; 701-228-5477 or toll-free 1-888-918-5623.