

## Dakota College at Bottineau Course Syllabus

**Course Prefix/Number/Title:**

PLSC 273 Arboriculture

**Number of credits: 3****Course Description:**

Students taking arboriculture will learn how to properly care for trees and shrubs. They will also learn about the biology, development, and growth of woody plants. A main focus of this course will be on modern principles of plant health care.

**Pre-/Co-requisites:**

None

**Course Objectives:**

Students will:

Gain an understand plant structure and function.

Be able to describe the benefits of trees.

Learn how to plant and maintain trees.

Learn how to diagnose and manage problems with trees and shrubs.

**Instructor:**

Bob Underwood

**Office:**

Home Avon, Illinois

**Office Hours:**

Whenever.

**Phone:**

701-871-1041

**Email:**

[bob.underwood@dakotacollege.edu](mailto:bob.underwood@dakotacollege.edu)

**Lecture/Lab Schedule:**

Online

**Textbook:**

Title: Arboriculture

Author: Richard W. Harris, James R. Clark, and Nelda P. Matheny

Publisher: Pearson Prentice Hall

Edition/Year: 4th Edition

ISBN: 0-13-088882-6

**Course Requirements:**

12 reading assignments.

12 quizzes ranging in length from 10 to 76 points will be given for a total of 438 points.

A midterm and final test each worth 50 points.

538 points total for class.

Grading will be on the 90-80-70-60% grading scale.

**Tentative Course Outline:**

Topic 1

Chapter 1 – Introduction to Arboriculture

Topic 2

Chapter 2 – Plant Structure and Function

Topic 3

Chapter 2 – Plant Structure and Function

Topic 4

Chapter 2 – Plant Structure and Function

Topic 5

Chapter 3 - Site Evaluation: Climate and Environment

Topic 6

Chapter 4 - Planting Site: Soil and Water

Topic 7

Chapter 5 – Benefits of Trees

Topic 8

Chapter 6 – Plant Selection

Topic 9  
Chapter 7 – Modifying and Managing the Site

Topic 10  
Chapter 8 – Planting

Topic 11  
Chapter 12 – Nutrient Management

Topic 12  
Chapter 13 – Water Management

Topic 13  
Final Test

### **Relationship to Campus Theme: Nature, Technology and Beyond**

Arboriculture is the cultivation of trees and shrubs. By planting trees and shrubs in our cities, near our homes, and in rural areas, we are utilizing their **natural** ability to clean the air, temper high winds, and cool our homes. **Technology** in arboriculture includes new techniques for planting, watering and pruning, along with the constant improvement of the tools used to perform these tasks. **As we look to the future**, trees become even more important in the face of a gradually warming planet and the effects it will have on people everywhere.

### **Classroom Policies:**

This 3 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.