

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title:

FORS 275 Advanced Arboriculture

Number of credits: 3

Course Description:

Students will learn advanced arboricultural practices such as the transplanting of large trees, preserving existing trees on a construction site, cabling, bracing, and the evaluation of hazardous trees.

Pre-requisites:

PLSC 273 Arboriculture

Course Objectives:

It is expected that students will:

Understand how to transplant large trees and know how to properly use a tree spade.

Be able to manage special situations such as root-pavement conflicts, trees in pavement, recycling wood waste, managing fire-safe landscaping, trees in planters, and landfill sites.

Be able to select trees for preservation and be able to protect them during construction.

Understand the role of chemicals used to control plant growth.

Be able to evaluate hazard trees and to properly deal with them.

Understand cabling and bracing systems.

Be able to diagnose plant problems.

Understand the principles of plant health care.

Instructor:

Cody Clemenson

Email:

Use e-mail within the course (Course Messages)

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:

Tests: 8 chapter quizzes worth 10 to 20 points each. 8 essay assignments worth 25 points each. 327 points total for class.

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

Tentative Course Outline:

Week 1

Chapter 9 – Transplanting Large Plants

Week 2

Chapter 10 – Special Management Situations

Week 3

Chapter 10 – Special Management Situations

Week 4

Chapter 11 - Preserving Existing Trees
Protection

Week 5

Chapter 11 - Preserving Existing Trees
Damage

Week 6

Chapter 11 - Preserving Existing Trees
Post Damage Care

Week 7

Chapter 15 – Control of Plant Growth

Week 8

Chapter 16 – Tree Hazard Management
Liability and Site Analysis

Week 9

Chapter 16 – Tree Hazard Management

Evaluating Defects

Week 10

Chapter 16 – Tree Hazard Management
Inspection Techniques

Week 11

Chapter 16 – Tree Hazard Management
Hazard Rating Systems and Hazard Abatement

Week 12

Chapter 17 - Preventative Maintenance and Repair
Cabling and Bracing

Week 13

Chapter 17 - Preventative Maintenance and Repair
Lighting Protection, Wounds and Cavities

Week 14

Chapter 18 – Diagnosing Plant Problems

Week 15

Chapter 19 - Plant Health Care

Week 16

Chapter 19 - Plant Health Care

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 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.