

## Dakota College at Bottineau Course Syllabus

### **Course Prefix/Number/Title:**

FORS 280 Principles of Pruning

**Number of credits:** 3

### **Course Description:**

Students will learn how to make effective pruning cuts and how trees respond to them. They will learn which tools are used and the proper timing for different pruning methods. The concept of structural pruning will be discussed, as well as how to prune shrubs, roots and storm-damaged trees.

### **Pre-requisites:**

FORS 273 Arboriculture

### **Course Objectives:**

It is expected that students will:

- Learn the best way to minimize pruning needs.
- Learn the different pruning cuts and their implications.
- Learn how to use pruning tools and equipment.
- Learn the different types of pruning based on specific pruning objectives.
- Learn to utilize pruning standards and specifications.
- Learn the special pruning requirements of shrubs.

### **Instructor:**

Cody Clemenson

### **Email:**

Use iMail within course

### **Lecture/Lab Schedule:**

Online

### **Textbook:**

Title: An Illustrated Guide to Pruning  
Author: Edward F. Gilman  
Publisher: Delmar

Edition/Year: 3rd Edition  
ISBN: 978-1-111-30730-1

**Course Requirements:**

Assignments: 16 assignments worth 10 to 20 points each.  
Test: 16 chapter test worth 8 to 20 points each.  
356 points total for class.  
Grading is on the 90-80-70-60% grading scale.

**Tentative Course Outline:**

Week 1

Chapter 1 - Introduction to Pruning

Week 2

Chapter 2 – Plant Selection, Placement, and Management

Week 3

Chapter 3 – Tree Structure and Strength

Week 4

Chapter 4 – Wood, Energy, and Compartmentalization

Week 5

Chapter 5 – Pruning Cuts and Implications

Week 6

Chapter 6 – Pruning Tools

Week 7

Chapter 7 – When to Prune

Week 8

Chapter 8 – Nursery Tree Production Pruning

Week 9

Chapter 9 - Nursery Tree Production Pruning: Developing the Crown

Week 10

Chapter 10 – Developing and Maintaining Special Forms

Week 11

Chapter 11 – Structural Pruning in the Landscape: Perspective

Week 12

Chapter 12 – Structural Pruning in the Landscape: Practice

Week 13

Chapter 13 – Pruning Types for Established Trees

Week 14

Chapter 14 – Mature and Storm-Damaged Trees

Week 15

Chapter 15 – Maintaining Special Trees and Sites

Week 16

Chapter 16 – Root Pruning and Management

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

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 safely. **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 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.

Work may not be submitted one week after syllabus schedule or else it will turn into a 0.

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.