Course Prefix/Number/Title:

PLSC 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:

PLSC 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:

Mark Pomarleau

Office:

Molberg Center Room 26

Office Hours:

MWTh 10:00-12:00

Phone:

701-228-5489
Email:
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Lecture/Lab Schedule:
Online

Textbook:
Title: An Illustrated Guide to Pruning
Author: Edward F. Gilman
Publisher: Delmar
Edition/Year: 3rd Edition
ISBN: 978-1-11-30730-1

Course Requirements:
Activities: 18 ungraded activities including flashcards, matching, and crossword puzzles, used to learn each chapters important terms.
Essay Assignments: 18 assignments worth 10 to 26 points each.
Tests: 18 chapter quizzes worth 8 to 20 points each.
528 points total for class.
Grading is on the 90-80-70-60% grading scale.

Tentative Course Outline:

Week 1
Chapter 1 - Introduction to Pruning
Chapter 2 – Plant Selection, Placement, and Management

Week 2
Chapter 3 – Tree Structure and Strength

Week 3
Chapter 4 – Wood, Energy, and Compartamentalization

Week 4
Chapter 5 – Pruning Cuts and Implications

Week 5
Chapter 6 – Pruning Tools

Week 6
Chapter 7 – When to Prune

Week 7
Chapter 8 – Nursery Tree Production Pruning
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. 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.