

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title/Credits:

PLSC 248 – Turf Management - 3 Credits

Course Description:

Students will learn the principles of establishing and maintaining residential, commercial, and sports turf. Skills are developed in site preparation, identification and selection of turf grasses, propagation, fertilization, irrigation, pest control, mowing and renovation.

Course Objectives:

Students will learn:

Basic botany of grass plants.

How to identify and select turfgrass species.

Cultural practices required to maintain turfgrass.

Pest management.

Propagation of turfgrass.

Instructor:

Mark Pomarleau

Office:

Molberg Center Room 26

Office Hours:

MW 9:00 - 11:00am

Th 9:00 – 10:00am

F 10:00 – 12:00noon

Phone:

701-228-5489

Email:

mark.pomarleau@dakotacollege.edu

Lecture/Lab Schedule:

Lecture: MW 11:00 – 11:50am

Lab: Th 10:00 – 11:50am

Molberg 3

Textbook:

Turfgrass Management

9th Edition

A.J. Turgeon

ISBN-10: 0-13-707435-2

Course Requirements:

Three tests worth 100 points each.

Lab assignments and quizzes worth 200 points.

500 points total for course.

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

Tentative Course Outline:

Week 1

Chapter 1 – Introduction

Green Speeds

Week 2

Chapter 5 – Primary Cultural Practices

Mowing

Lab – A look at residential and commercial lawns, sports turf, utility turf, and turf in a park setting.

Week 3

Chapter 5 – Primary Cultural Practices

Mowing

Lab – Operating a commercial mower

Week 4

Chapter 5 – Primary Cultural Practices

Mowing

Lab – Trip to Bottineau Country Club

Week 5

Chapter 5 – Primary Cultural Practices

Fertilization

Lab – Using a Rotary Spreader

Week 6

Chapter 5 – Primary Cultural Practices

Irrigation – Fertigation?

Week 7

Chapter 6 – Supplementary Cultural Practices

Lab – Coring, matting, and topdressing

Week 8

Chapter 6 – Supplementary Cultural Practices

Lab – Coring, matting, and topdressing

Week 9

Chapter 7 – Pest Management

Weeds

Lab – Weed ID

Week 10

Chapter 7 – Pest Management

Diseases, insect pests, and animal pests

Lab – Disease and Insect ID

Week 11

Chapter 3 – Turfgrass Species

Lab –

Week 12

Chapter 3 – Turfgrass Species

Lab – Turfgrass ID

Week 13

Chapter 8 – Propagation

Lab –

Week 14

Chapter 8 – Propagation

Lab – Seeding

Week 15

Chapter 9 – Cultural Systems

Week 16

Finals Week

Relationship to Campus Theme: Nature, Technology and Beyond

Turf is a **Natural** component of both home and commercial sites in addition to its' many recreational uses. **Technology** is heavily used in the maintenance of turf, especially on high maintenance golf courses. **The future** of turf management is heading towards finding ways to reduce the amount of inputs used to produce high quality grass surfaces.

Classroom Policies:

Please turn the ringer off of all cell phones. If a message is urgent, leave the classroom to take the call.

Academic Integrity:

Collaboration among students during class projects is encouraged, however all assignments must consist of the students own work. Any instance of copying another student's files and trying to pass them off as your own will result in an automatic "F" for the project, 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.