

Turf Management – HT 8.135
Winter 2019
Syllabus

Linn Benton Community College – Agricultural Sciences Department

Instructor: Clint Mattox
he/him/his
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Office Hours: Friday 12:00-1:00; also by appointment

Class Hours: Lectures: Friday 10:00-11:50 RCH-213
Lab: Friday 1:00 - 2:50 WOH-122 or greenhouse

Description: This is an introductory course to the science of turfgrass culture. Topics will include: growth, development and structure of grasses, cool-season turfgrass species, the turfgrass environment, establishment and the factors of successful turfgrass management.

Course Materials: ALL students are required to be enrolled in Moodle: <http://elearning.linnbenton.edu/>. Students will use Moodle to access lecture material, handouts, weekly readings, and grades.

Textbook:

No required textbook.

Class readings and support materials will be provided either electronically via Moodle or in paper format.

Course Outcomes: The successful completion of this course will enable you to:

- Demonstrate a basic understanding of turfgrass growth and development
- Identify major cool season turfgrass species
- Understand basic turfgrass ecology
- Determine proper establishment techniques used in the turfgrass industry
- Demonstrate an understanding of the principles of cool season turfgrass fertilizer and how to apply fertilizers in a landscape setting
- Understand proper irrigation techniques that result in optimum growth while conserving natural resources and how to calibrate an irrigation system
- Understand how mowing equipment, mowing frequency, and mowing pattern interact to affect turfgrass quality
- Be aware of common weeds, diseases, and insects associated with turfgrass and know how to calibrate a backpack and boom sprayer

Wait List Policy: If the class is full, registered students not attending the first session without advance notice to the instructor will be dropped from the class. Students from the wait list will take their spots. Waitlisted students must attend class and get the instructors approval to become registered.

Course Evaluation: You will be evaluated through quizzes, homework assignments, and a final exam.

Grades: The grading system for the course is “A-F”. Final grades will be based on the percentage of total points earned.

- A = 90% to 100%
- B = 80 to 89%
- C = 70 to 79%
- D = 60 to 69%
- F = 59% and below

Grading:

Six comprehensive quizzes (20 points each with the lowest grade dropped)	100 points
Integrated Pest Management Report	100 points
Spreader & Sprayer Calculations Homework	100 points
Final Exam	<u>100 points</u>
Total points	400 points

Attendance: It is the student’s responsibility to collect any materials, notes, handouts, or information missed due to an absence. Late work will not be accepted. Attendance at quizzes / exams is mandatory. **Makeup quizzes / exams will only be given IF the instructor is contacted prior to the exam or if written documentation is provided explaining the absence.**

In an effort to be fair to all students, grades **will not be rounded up** under any circumstances.

Incomplete Grade: An incomplete will not be issued. Notify the instructor if you are no longer able to attend class.

Y Grade: **If you miss more than six class sessions (including labs) you will not receive credit for the class (“Y” grade).**

Audit Status: Students may request Audit status in place of a letter grade before the end of the second week.

Disabilities Services:

Students who may need accommodations due to documented disabilities, have medical information that the instructor should know, or who need special arrangements in an emergency, should **speak with the instructor during the first week of class**. If you have not accessed services and think you may need them, please contact Disability Services, 917-4789.

LBCC Comprehensive Statement of Nondiscrimination:

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. (For further information <http://po.linnbenton.edu/BPsandARs/>)

Classroom Guidelines

- This is your course. You will learn the most if you actively participate in classroom discussions and share your experience and questions. At the same time, respect other students' desire to learn while listening attentively and appreciating other points of view.
- Learn the names of your classmates. Help one another (not during tests).
- This is your classroom. Take responsibility for it by straightening up tables and chairs when you leave. Clean up the lab and put away equipment at the end of class. Pick up and remove litter.
- Arrive promptly before class begins. If late, enter quietly.
- No food or drink is allowed in the classroom during class time. No smoking or any tobacco products may be used in the classroom at any time.
- Please refrain from using your cellphone unless it is for an emergency. It would be best to let me know before class that you are expecting an urgent call and to sit in the back of class in case you need to leave during class time.
- The use of headphones is not allowed during class time.
- Know basic safety rules and report any accidents, injuries, or problems immediately.
- Do not come to class when you are ill and are likely to infect others. Academic work can be made up when you return.
- Minor children will not be allowed in the classroom or lab areas for safety reasons. If you are responsible for children, please do not bring them to class when they are sick or have a non-school day. The LBCC family resource center now accepts a limited number of children who are not enrolled in their programs during in-service school days. For more information go to <http://www.linnbenton.edu/familyresources/frc/>
- Security is a primary concern on campus. Be responsible for your things and considerate of other students' belongings.
- Let faculty or staff know if you are experiencing academic difficulties. Assistance is available. The LBCC Learning Center provides students with academic support and a comfortable place to study. For available services go to <http://cf.linnbenton.edu/depts/lrc/>
- Be aware of Student Rights and Responsibilities. For more information go to <http://www.linnbenton.edu/studentrights/index.html>
- Be aware of inclement weather policy of the college during winter term.

Tentative Course Schedule

Note: Dates and schedule may change depending on the progress toward learning outcomes and needs of students and the instructor.

Week/Date	Lecture	Lab
Week 1 11-Jan-19	History of Turf & Turfgrass Overview	Root-box experiment / Introduction to Grasses
Week 2 18-Jan-19	Growth & Development Quiz 1 (20 pts)	Grass plant structure
Week 3 25-Jan	Cool-Season Grasses Quiz 2 (20 pts)	Cool-Season Grass ID
Week 4 1-Feb	Mowing & Irrigation Quiz 3 (20 pts)	Irrigation Assessment
Week 5 8-Feb-19	Fertilization & Establishment Quiz 4 (20 pts)	Drop & Rotary Spreader Calibration
Week 6 15-Feb-19	Secondary Cultural Practices Quiz 5 (20 pts)	Sprayer Calibrations
Week 7 22-Feb	Turfgrass Pest Management Quiz 6 (20 pts)	Fertilizer / Sprayer Calculations
Week 8 1-Mar-19	Putting it all together: IPM Plan Spreader / Sprayer Homework Due (100 pts)	Possible Field Trip: Lewis-Brown Hort Farm
Week 9 8-Mar-19	Turfgrass Profession Guest Lecturer	<u>Turfgrass Science Video</u> <u>Watch before week 10 class</u>
Week 10 15-Mar-19	Class Summary / Concepts Review Integrated Pest Management Plan Due (100 pts)	Root-box experiment / Grass ID review
Finals Week	Final exam (100 pts) – Time and Location to be determined	