

Course Prefix/Number/Title: PLSC 235 Field Scouting Techniques

Number of Credits: 2 Credits Lecture; 1 Credit Lab

Course Description: The purpose of this course is to provide students the skills necessary for proper pest identification and crop scouting techniques. Information such as crop growth and development, pest life cycles, damage symptoms and economics thresholds will be covered. Communications skills and presentation techniques will also be emphasized. Field scouting activities will be done in the field at various locations throughout the summer to give the students practical field experience.

Pre-/Co-requisites: None

Course Objectives: It is expected that student will be able:

- ✓ Identify common crop diseases, insects, and weeds.
- ✓ Understand disease and pest life cycles.
- ✓ Understand how plants interact with pathogens.
- ✓ Determine stand populations and crop stages.

Instructor: Linda Burbidge, PhD

Office: Molberg 20

Office Hours: By Appointment

Phone: (701)228-5442

Email: Linda.Burbidge@dakotacollege.edu

Lecture/Lab Schedule: Hybrid

Textbook(s): OER Materials will be utilized.

Course Requirements: The lecture component of this course will be completed by students online. Online courses require the following to build and engage a classroom community of learners:

- ✓ Log in to the course a minimum of three times per week to check for new announcements and course information.
- ✓ Read the assigned extension bulletins, online content, and papers. It is essential to success in this course.
- ✓ Complete and submit coursework on time.
- ✓ Pace yourself, and make sure that all assignments are completed by the end of the semester.
- ✓ Communicate with the instructor.

The Lab component of this course will consist of two set of field trips. Each field trip will be 2 days in length. On the field trips, student will interact with agronomists currently work in the industry and be able

to get a first hand look at some of the field techniques, crop pests, diseases, and other industry experience in real-time.

Requirement	Points	Percentage
Section Quizzes - 8 @ 30 points each	240	28.6%
1 Papers @ 200 points each	200	23.8%
2 Field Trips @ 200 points each	400	47.6%
Total	840	100%

Quizzes: Quizzes cover the material presented in the section and are worth 30 points each. The quizzes are open book and open notes. Each quiz will be due at the end of the day (11:59pm) on the due date it is assigned which is listed in the syllabus.

Papers: One paper will be due at the end of the semester. This paper should be double spaced and written in 12pt Times New Roman font. Any sources used must be cited. Please use APA format for in-text citations and your bibliography. You may use the following link below as a guide:
<https://www.mendeley.com/guides/apa-citation-guide>

Field Trips: The field trips are scheduled June 27th – 28st and July 18th-19th. Attendance is **MANDATORY**. You should dress for the weather and expect to be outside a majority of the day. These field trips will supplement the topics we've covered in the online lectures and videos. Contact me if you need lodging overnight in Bottineau.

Participation: Students are expected to participate in during the field trips. Students should come prepared to take notes and listen. The agronomists we go on these trips will have plenty of things to show us and it is a much more engaging time when everyone participates.

Grading and Evaluation:

Total Point Percentage	Letter Grade
90% and ↑	A
80% - 89.99%	B
70% - 79.99%	C
60% - 69.99%	D
59.99% and ↓	F

Tentative Course Outline:

Week	Dates	Section	Topic	Due
Week 1	Jun 6-12	1	Crop Growth and Production	Quiz 1 (6/12/22)
Week 2	Jun 13 - 19	2	Nutrient Management	Quiz 2 (6/19/22)
Week 3	Jun 20 - 26	3	Scouting Techniques	Quiz 3(6/26/22); Paper topic selected
Week 4	Jun 27 – July 3	4	Crop Disease	Quiz 4 (7/3/22); Field Trip 1
Week 5	July 4 – July 10	5	Disease Mangement Strategies	Quiz 5 (7/10/33)
Week 6	July 11 – July 17	6	Weeds/ Weed Control	Quiz 6 & Weed ID Quiz (7/17/22)
Week 7	July 18 – July 24	7	Insects	Quiz 7 (7/24/22); Field Trip 2
Week 8	July 25 – July 28	8	Economics/Integrated Pest Management (IPM)	Paper (7/28/22)

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s): This course meets the CTE department learning outcome of employing industry-specific skills in preparation for workplace readiness by:

1. Expanding critical thinking competence.
 - a. Identifying issues with crop health related to diseases, insects, weeds, or other nutrient deficiencies.
 - b. Estimating economic threshold levels for IPM.
2. Demonstate Problem solving ability.
 - a. Determining the most effective management strategies for crop production issues.

Relationship to Campus Focus: This course supports the campus theme of “Nature, Technology and Beyond” by fostering the skills and knowledge necessary to utilize natural, human and technological resources successfully and confidently.

Classroom Policies: This academic environment is open and harassment free. Always be respectful of other students and the instructor.

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: According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

Disabilities or Special Needs: Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

Title IX: Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.