

## Dakota College at Bottineau Course Syllabus

**Course Prefix/Number/Title:** PLSC 255 Plant Disease Management

**Number of credits:** 3

**Course Description:** Plant Disease Management is an introductory course to plant pathology. Students will learn what organisms cause plant diseases, the plant response to disease, and how these diseases can be treated or prevented.

**Pre-requisites:** None

### Course Objectives:

It is expected that student will be able to identify:

- ✓ The types of organisms which cause plant diseases.
- ✓ The types of plant diseases which affect plants.
- ✓ How plants interact with pathogens.
- ✓ How people influence disease epidemics.
- ✓ Plant diseases and ways to prevent or manage them.

**Instructor:** Linda Burbidge, PhD

**Office:** Molberg 20

**Office Hours:** MW 9am – 11am; TH 2pm to 3pm, Or by appointment, email, or phone

**Phone:**228-5442

**Email:** [Linda.Burbidge@dakotacollege.edu](mailto:Linda.Burbidge@dakotacollege.edu)

**Lecture/Lab Schedule:** Online

**Textbook:** Schumann and D'Arcy, 2010. *Essential Plant Pathology*, 2<sup>nd</sup> Ed. APS Press

**Course Requirements:** 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 texts 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.
- ✓ Be an active participant in discussion boards.
- ✓ Communicate with the instructor.

<b>Requirement</b>	<b>Points</b>	<b>Percentage</b>
Chapter Quizzes - 11 @ 30 points each	330	50%
Course Papers 4 papers @ 40 – 80 points each	200	30%
Participation/Discussion Boards	120	20%
<b>Total</b>	650	100%

Quizzes: Quizzes cover the material presented in the chapter 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: Four papers will be due over the course of the semester. These papers will vary in lengths and points totals based on the topic and requirements for the paper outlined in the assignment. All papers 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>

Participation/Discussion Boards: Students are expected to participate in discussion board on topics related to the class throughout the semester. The purpose will be to discuss and learn from each other. It is important that students be respectful of each other's opinions. The requirements for each discussion will be outlined when the discussion begins. In order to be effective, we all must participate and respond to each other in a timely manner. Discussions will be available for one to two weeks and students must complete them during that time frame.

### **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	Chp.	Topic	Due
Week 1	Jan 13 - 19	1	What is Wrong with my plant?	Quiz #1 - 1/19
Week 2	Jan 20 - 26	2	Fungi	Quiz #2 - 1/26
Week 3	Jan 27 - Feb 2	3	Bacteria	Quiz #3 - 2/2
Week 4	Feb 3 - 9	4	Nematodes	Quiz #4 - 2/9
Week 5	Feb 10 - 16	5	Viruses	Quiz #5 - 2/16
Week 6	Feb 17 - 23	6	Parasitic Flowering Plants	Quiz #6 - 2/23
Week 7	Feb 24 - Mar 1	7	Abiotic Factors	
Week 8	Mar 2 - 8	7	Abiotic Factors	Quiz #7 - 3/8
Week 9	Mar 9 - 15	8	What Types of Plant Diseases Are There?	Quiz #8 - 3/15
	Mar 16 - 22		<b>Spring Break</b>	
Week 10	Mar 23 - 29	9	How Do Plants Interact With Pathogens? Ecological Interactions	
Week 11	Mar 30 - Apr 5	9	How Do Plants Interact With Pathogens? Physiological Interactions	
Week 12	Apr 6 - Apr 12	9	How Do Plants Interact With Pathogens? Genetic Interactions	Quiz #9 - 4/12
Week 13	Apr 13 - 19	10	How Do People Influence Plant Disease Epidemics?	
Week 14	Apr 20 - 26	10	How Do People Influence Plant Disease Epidemics?	Quiz #10 - 4/26
Week 15	Apr 27 - May 3	11	How Can We Prevent or Manage Plant Disease Epidemics?	
Week 16	May 4 - May 10	11	How Can We Prevent or Manage Plant Disease Epidemics?	Quiz #11 - 5/10

**Relationship to Campus Theme:** 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:** All students are expected to adhere to the highest level of academic integrity. Dishonesty and plagiarism with assignments, projects, or exams is a serious offense and is subject to disciplinary action by the instructor and college administration. For more information refer to the student handbook.

**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.