

PLP 514 Phytobacteriology

Fall 2018

3 credit class

Instructor: Dr. Maren Friesen

Email: m.friesen@wsu.edu

Office hours: by appointment

Meeting times: T/Th 10:35-11:50

Location: **JNS 326** note room change to avoid construction noise

Textbook: not required; we will be focused on the primary literature

Reading List (Mendeley group): <https://www.mendeley.com/community/wsu-phytobacteriology/>

Course Objective:

To provide a fundamental understanding of the organismal biology, molecular genetics/genomics, symptomology, and ecological and evolutionary principles shaping plant-bacterial interactions. By the end of the course, students will be able to give examples of both general processes and specific pathosystems. Students will also develop scientific reasoning and writing skills, familiarity with basic bioinformatics and statistical tools, and an appreciation for the societal implications of plant-bacterial interactions.

Assessment:

This is a graduate level course, so grading will be based upon two major writing assignments as well as participation in reading of the primary literature and in-class activities. There will be no formal final exam.

- In-class activities and discussion are an opportunity to strengthen skills and work with the material to help to identify where your individual strengths and weaknesses are.
- Critical and positive peer review is an integral component of this course. Reviewing others' writing increases awareness of writing techniques that work and those that don't; furthermore, reviews give you language to talk about and think about writing.
- Host-associated bacteria surround us and impacts our daily lives on many levels. Our first homework assignment will be to post a 'Phytobacteriology in the News' story. For all subsequent weeks, you can earn extra credit for posting an additional story.
- There will be weekly assigned reading of primary literature with a short online form collecting your impressions on the paper(s).
- First assignment: Phytobacteriology in the News (1 slide)
- Writing Assignment #1: "News & Views" (N&V) (2 pgs)
- Writing Assignment #2: "Letter of Intent" (LOI) modeled on a recent USDA call (2 pgs)

Class participation: 10pts/week	150
Weekly Reading: 10 pts/week	150
News & Views	350
<u>Letter of Intent</u>	<u>350</u>
Total	1,000

Lecture	Week	T/Th	Date	Assignment Timetable
L01	1	Tues	Aug-21	
L02	1	Th	Aug-23	Phytobacteriology in the news due
L03	2	Tues	Aug-28	<i>first paper discussion</i>
L04	2	Th	Aug-30	N&V paper & title
L05	3	Tues	Sep-4	
L06	3	Th	Sep-6	
L07	4	Tues	Sep-11	
L08	4	Th	Sep-13	N&V first draft
L09	5	Tues	Sep-18	
L10	5	Th	Sep-20	
L11	6	Tues	Sep-25	
L12	6	Th	Sep-27	N&V peer reviews due
L13	7	Tues	Oct-2	
L14	7	Th	Oct-4	
L15	8	Tues	Oct-9	
L16	8	Th	Oct-11	N&V final draft
L17	9	Tues	Oct-16	
L18	9	Th	Oct-18	LOI coPI list and topic
L19	10	Tues	Oct-23	
L20	10	Th	Oct-25	LOI annotated bibliography
L21	11	Tues	Oct-30	
L22	11	Th	Nov-1	LOI first draft due
L23	12	Tues	Nov-6	
L24	12	Th	Nov-8	
L25	13	Tues	Nov-13	
L26	13	Th	Nov-15	LOI peer reviews due
no class		Tues	Nov-20	THANKSGIVING WK
no class		Th	Nov-22	THANKSGIVING WK
L27	14	Tues	Nov-27	
L28	14	Th	Nov-29	LOI final draft due
	15	Tues	Dec-4	mock panel
	15	Th	Dec-6	mock panel

Academic Integrity Statement

Academic integrity is the cornerstone of the university. Any student who attempts to gain an unfair advantage over other students by cheating, will fail the assignment and be reported to the Office Student Standards and Accountability. Cheating is defined in the Standards for Student Conduct WAC 504-26-010 (3).

Plagiarism Policy

Please make sure you understand what is plagiarism and familiarize yourself with the WSU Plagiarism Policy at these web sites: <http://libraries.wsu.edu/library-instruction/plagiarism> <https://gradschool.wsu.edu/plagiarism/> Each student is expected to work on your own assignments including lab reports, and no group effort is allowed.

WSU Disability Statement

Students with Disabilities: Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center (Washington Building 217; 509-335-3417) to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center. For more information contact a Disability Specialist: 509-335-3417 <http://accesscenter.wsu.edu>, Access.Center@wsu.edu

WSU Safety and Emergency Notification:

Washington State University is committed to enhancing the safety of the students, faculty, staff, and visitors. It is highly recommended that you review the Campus Safety Plan (<http://safetyplan.wsu.edu/>) and visit the Office of Emergency Management web site (<http://oem.wsu.edu/>) for a comprehensive listing of university policies, procedures, statistics, and information related to campus safety, emergency management, and the health and welfare of the campus community.