

NRM 211
INTRODUCTION TO APPLIED PLANT SCIENCE (3 credits)
Fall 2023

Schedule (two lectures and one 3-hour lab each week)

Evaluation Policy:

Grades will be based on exams, lab and plant identifications, several sets of lab questions, one lab activities report, one literature review, and class participation. The relative importance of each component for the final grade is indicated below:

Exam I	100 (10%)
Exam II	150 (15%)
Final Exam	250 (25%)
Lab	400 (40%)
Lab and Plant ID I	(150 or 15%)
Lab and Plant ID II	(150 or 15%)
Several sets of Lab Questions	(50 or 5%)
Lab Activities Report	(50 or 5%)
Literature Review	50 (5%)
Class participation	<u>50 (5%)</u>
	1,000 points (= 100%)

Letter grades will be determined using the following scale:

- A 90.0 to 100 %
- B 80.0 to 89.9 %
- C 70.0 to 79.9 %
- D 60.0 to 69.9 %
- F Below 59.9 %

No make-up exams will be given unless there is a verifiable emergency or arrangements have been made with the instructor prior to the scheduled due date and time.

The UAF Incomplete Grade Policy will be followed. The letter grade “I” (incomplete) is a temporary grade used to indicate that the students has satisfactory completed (C or better) the majority of work in a course but for personal reasons beyond the student’s control, such as sickness, has not been able to complete the course during the regular semester. Negligence or indifference is not an acceptable reason for an “I” grade.

Plant ID and Lab Tests:

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Lab Activities Report:

One lab activities report describing effects of temperature, light and mineral nutrition on plant growth is required. The plants will be growing in the greenhouse throughout the semester with opportunities to make weekly observations and measurements. The report is due (at the latest) on November 15, 2023.

Format for Lab Report on temperature and light (see example

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Writing Center (907-474-5314, uaf-writing-center@alaska.edu, Gruening 8th floor)

For further information on your rights and resources

NRM 211-Fall 2023, tentative schedule (pages Bidlack and Jansky, 2021. Stern's Introductory Plant Biology, **15th ed.**)

M	Aug. 28	Course introduction.	p. 1-10
M	Aug. 28	Lab I: Landgrant universities and experiment stations	
W	Aug. 30	Origin of cultivated plants	p. 243-245, 447-449
M	Sept. 4	Labor Day – no class or lab	
W	Sept. 6	Plant nomenclature and systematics	p. 123, 275-290, A1-A19
M	Sept. 11	Plant cell and tissue structures	p. 27