

PSPP 102CS Plant Science, Resources and the Environment
Tuesdays & Thursdays, 2:10-3:25 pm, 108 Reid Hall

Instructor: Dr. William E. Dyer; 725 Leon Johnson Hall; 994-5063;
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Text: Plant Biology, 2nd Ed. 2006. Graham, L.E., et al. Prentice Hall Publishers.

Web Site: <https://ecat.montana.edu/>

Course Goals: 1) Understand the biological processes of plants and how they interact with other organisms in the environment; 2) Develop an appreciation for the uses and roles of plants in society; 3) Develop a framework for decision-making based on facts and risk analysis; and 4) Develop critical and analytical thinking skills.

Readings and Discussion: The calendar lists the textbook chapters to be covered during each lecture period. You are strongly encouraged to read this material *before class*, since it will provide background information for the day's topics. You are required to bring an iClicker to each class period.

Homework & Examinations: **Homework** consists of short, timed exercises to be done online at <https://ecat.montana.edu/>. Homework exercises are from the textbook readings (mostly) and lectures, and are due by midnight on the listed due dates. Late or incomplete homework will not be accepted. **Exam dates** are listed below, and makeup exams will be given only in extreme cases with prior approval by the instructor. Exam IV cannot be taken early.

	<u>Date</u>	<u>Points</u>
Exam I	February 4	50
Exam II	March 4	50
Exam III	April 8	50
Exam IV	May 5	50
In-Class Exercises		50
Homework Exercises		100
Writing Assignments		<u>100</u>
	<u>Total</u>	450

Grading: A = 89.5% and above; B = 79.5% to 89.4%; C = 69.5% to 79.4%; D = 59.5% to 69.4%; and F = below 59.5%

Assignment of Grades & Academic Integrity: Incomplete grades will not be given except in special circumstances as outlined in the *Graduate and Undergraduate Bulletin*. Plagiarism, cheating, or other academic misconduct will not be tolerated, as outlined in *Student Academic and Conduct Guidelines and Grievance Procedures* (www.montana.edu/msuinfo/student).

PSPP 102CS
Course Calendar 2010

Date	Topic	Reading	HW Due date
Jan 14	Introduction	Chap 1	Jan 21
19	Agriculture & Ethnobotany	Chap 2; 3.5	Jan 24
21	Agriculture & Ethnobotany	“ “	
26	Taxonomy & Classification	Chap 17; 20.1;	Feb 7
28	Taxonomy & Classification	20.4-20.6;	
Feb 2	Taxonomy & Classification; Review	21; 22.1-22.3	
4	Exam I		
9	Chemistry & Important Molecules	Chap 3	Feb 14
11	Prokaryotes & Plant Interactions	Chap 18	
16	Eukaryotes & Cell Biology Writing Assignment 1 Due	Chap 4	Feb 21
18	Eukaryotes & Cell Biology	“ “	
23	Plant Growth & Anatomy	Chap 8-11	Feb 28
25	Plant Growth & Anatomy	“ “	
Mar 2	Review and Catch Up		
4	Exam II		
9	Phytohormones & Signal Transduction	Chap 12	Mar 28
10	Light & Photosynthesis	Chap 5	
16	Spring Break	<i>Some trashy</i>	
18	Spring Break	<i>romance novel</i>	
23	Light & Photosynthesis	Chap 5	
25	Flowering, Fruits, & Seeds Writing Assignment 2 Due	Chap 23	Apr 4
30	Pollination & Coevolution	Chap 24	Apr 11
Apr 1	Seed Dispersal & Dormancy	Chap 23.5	
6	The Central Dogma; Review	Chap 6	
8	Exam III		
13	Genetics	Chap 14	Apr 18
15	Genetics	“ “	
20	GMOs & Biotechnology Writing Assignment 3 Due	Chap 15	May 2
22	GMOs & Biotechnology	“ “	
27	GMOs & Biotechnology	“ “	
29	Soils, Fertility & Environmental Quality	Chap 25	
May 5	Exam IV 12:00 – 1:50 pm		