

**General Botany
BSC 226**

Instructor: Dr. Micheal Davis

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Lecture hours: MW 11:00 -11:50 a.m.

Office hours: M and W 10 - 11 a.m., or by appointment

Text: *Biology of Plants*, Raven, Evert, and Eichhorn, 1999, 6th edition

PLEASE READ THIS SHEET CAREFULLY AND EXAMINE THE COURSE SCHEDULE. YOU ARE RESPONSIBLE FOR ALL INFORMATION, INSTRUCTIONS, AND TEST DATES .

This course explores the diversity of fungi, algae, and plants and compares their evolution, forms and functions. We will also explore the physiology and ecology of plants.

General Policies: There is no attendance requirement for lectures, but it is strongly recommended that you attend regularly and promptly. On various days small take-home quizzes will be given (see Pop Quiz Lotto rules on the last page). These quizzes will be unannounced and cannot be made up for **any reason**. Test dates are shown on the attached course schedule. **ATTENDANCE FOR ALL TESTS IS REQUIRED**. Valid reasons for excuses are: 1) **severe** illness, 2) documented personal or family emergencies, 3) official University excuses. For reasons 1 or 2, you must discuss a valid absence with me, in person or by phone (not email), within **48 hours** of the exam you have missed or a zero grade will be recorded. For reason 3, you must present your excuse by the class meeting time before the exam. All make-up exams will be given on the afternoon of Friday, December 5 (last day of class).

Grading Policies:

Exam 1 (50 questions @ 2 pts. each)	100 points
Exam 2 (50 questions @ 2 pts. each)	100 points
Exam 3 (50 questions @ 2 pts. each)	100 points
Final Exam (100 questions @ 1 pt. each)	100 points
Take home quizzes	?

Final grades are based on points earned (400 total points).

Total points	Final grade
360-400 points	A
320-359 points	B
280-319 points	C
240-279 points	D
0-239 points	F

Students with a qualifying disability under the Americans with Disabilities Act that requires accommodations, should contact the Office for Disability. Box 8586; Tel. 266-5024; TTY 266-6837; Fax 266-6035. Suzy Hebert is the ODA coordinator.

Tentative Course Schedule

Date	Lecture Topic	Chapter
Aug 18	Introduction, Algae	1,
20	Algae	16, 17
25	Fungi	15
27	Fungi	15
Sep 01	Labor Day Holiday	
03	The Evolution of Land Plants	17, 18
08	Bryophytes: Mosses	18
10	Bryophytes: Liverworts and Hornworts	18
15	Exam 1	
17	Seedless Vascular Plants	19
22	The Seed	20
24	Conifers	20
29	Flowers and Fruits	21, 22
Oct 01	Angiosperm Diversity	21, 22
06	Angiosperm Diversity	21, 22
08	Economic Botany	34
13	Cells and Tissues	23, 24
15	Roots	25
20	Exam 2	
22	Shoots: Primary Growth	26
27	Shoots: Secondary Growth	27
29	Shoots :Secondary Growth	27
Nov 03	Leaf Evolution and Anatomy	26
05	Leaf Function	26
10	Water Relations	29, 31
12	Photosynthesis/Respiration	5, 6, 7
17	Photosynthesis	7
19	Plant Nutrition	30
24	Exam 3	
26-30	Thanksgiving Break	
Dec 01	Ecology	32
03	Biomes	33

Final Exam administered according to University schedule

Grade Worksheet

Record the points earned on the line for each item. Your estimated grade at any time can be calculated by adding your scores for each item, adding the possible points, and dividing the former by the latter. This will provide an **estimate** of your grade based on traditional percentage cutoffs (90, 80, 70, 60% cutoffs for A, B, C, and D respectively). However, remember that your final grade is determined by actual points earned (359 points divided by 400 = 89.75%, but 360 points are required for an A).

Exam 1

Exam 2

Exam 2

Final Exam

Lotto

Total (400 possible)

Pop Quiz Lotto - The Rules

1. Each student must fill out a 3 x 5 notecard (provided by instructor) with the following information:

Name - first, last (as it will appear on roll sheet), nickname

Class and curriculum - year and major

Career goals

Hobbies

Favorite place to eat fresh vegetables (not your grandmother's house)

2. The notecard will be placed into the "Shoebox of Life". Periodically, the instructor will withdraw 5-20 cards (depending on class size) and give those students a short, take-home quiz.

3. The student will return the completed quiz at the beginning of the **NEXT** class day or it will not be accepted.

4. The student must be present to receive a quiz. Your friend may not pick up your quiz for you.

5. The quizzes may not be made up for **any reason**. They are extra credit so you are not penalized for not taking them.

6. Each student will have at least one opportunity before each exam to take a quiz.

7. Each quiz is usually worth five points. Points received will be added to the overall total out of 400.

8. Unlike most things in the world, there are no exceptions to these rules.

**General Botany Lab
BSC 226L**

Instructors: Dr. Micheal Davis, Chrissie McKenney, Karen Ng, Gabe Blossom
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PLEASE READ THIS SHEET CAREFULLY AND EXAMINE THE COURSE SCHEDULE. YOU ARE RESPONSIBLE FOR ALL INFORMATION, INSTRUCTIONS, AND TEST DATES .

General Policies: ATTENDANCE FOR ALL LABS AND PRACTICALS IS REQUIRED. There is no make-up policy for labs. Valid reasons for excuses are: 1) **severe** illness, 2) documented personal or family emergencies, 3) official University excuses. For reasons 1 or 2, you must discuss a valid absence with me, in person or by phone (not email), within **48 hours** of the lab you have missed or a zero grade will be recorded. For reason 3, you must present your excuse by the class meeting time before the lab.

BSC 226 and BSC 226L are co-requisite courses, therefore, students are responsible for material covered in either course. Lecture material will provide an outline for lab material and lab exercises will explore lecture topics in greater detail.

Students will be given a short quiz (10 questions) upon entering lab. This quiz will cover material from lecture regarding the topic of that day's lab. An exit quiz (10 questions) will be administered at the end of each lab. This quiz will mainly cover material from lab, but may also include lecture material as well as material from previous labs.

Grading Policies:

Lab Entrance Quizzes (10 @ 5 pts each)	50 points
Lab Exit Quizzes (10 @ 5 pts each)	50 points
Midterm Practical (30 questions @ 1pt each)	40 points
Final Practical (60 questions @ 1 pt each)	60 points
Final grades are based on points earned (200 total points).	

Total points	Final grade
180-200 points	A
160-179 points	B
140-159 points	C
120-139 points	D
0-119 points	F

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Tentative Course Schedule

Date		Lecture Topic
Aug	18-22	no lab
Aug	25-29	Algae
Sep	01-05	no lab.
Sep	08-12	Fungi
Sep	15-19	Bryophytes and Ferns
Sep	22-26	Heterospory and Seeds
Sep/Oct	29-03	Flowers and Fruits
Oct	06-10	Practical
Oct	13-17	No Lab
Oct	20-24	Plant Identification
Oct	27-31	Seeds, Seedlings, and Roots
Nov	03-07	Shoots - Primary and Secondary Growth
Nov	10-14	Leaf Anatomy
Nov	17-21	Photosynthesis, Respiration and Water Relations
Nov	24-28	no lab
Dec	01-05	Lab Final Practical

Grade Worksheet

Record the points earned on the line for each item. Your estimated grade at any time can be calculated by adding your scores for each item, adding the possible points, and dividing the former by the latter. This will provide an **estimate** of your grade based on traditional percentage cutoffs (90, 80, 70, 60% cutoffs for A, B, C, and D respectively).

Entrance Quiz 1	_____	Exit Quiz 1
Entrance Quiz 2	_____	Exit Quiz 2
Entrance Quiz 3	_____	Exit Quiz 3
Entrance Quiz 4	_____	Exit Quiz 4
Entrance Quiz 5	_____	Exit Quiz 5
Entrance Quiz 6	_____	Exit Quiz 6
Entrance Quiz 7	_____	Exit Quiz 7
Entrance Quiz 8	_____	Exit Quiz 8
Entrance Quiz 9	_____	Exit Quiz 9
Entrance Quiz 10	_____	Exit Quiz 10

Midterm Practical

Final Practical

Total (200 possible)