

PBIO 211: Diversity of Life
Winter Quarter 2006
Syllabus

Call #'s 05258 & 05259 (5 cr. hours)

Instructor: Christy T. Carter, Ph.D.

Office Hours: MWF 10-11 or by appointment (please email me: carterc3@ohio.edu)

Office Location & Phone: 307-E Porter Hall; 593-0742

Lectures: MWF, 9-10 AM, Porter Hall 104

Labs: 05258, MW, 1-3; 05259, MW, 3-5; Porter Hall 301

Summary:

In this course, we will survey the life cycles, morphology, and phylogeny of major clades of organisms, with emphasis on plants, fungi, and protists.

Course Materials:

Text: Raven, P. H., R. F. Evert, and S. E. Eichhorn. Biology of Plants, 7th edition (2005), Freeman & Co., New York.

Please bring paper, pencil/pen, and textbook to each class.

Assessment and Grading:

Basis for Grade:	First Lecture Exam	20%
	Second Lecture Exam	20%
	Lecture Final	25%
	Lab	30%*
	Attendance	5%

*A passing grade in lab is required to pass the course.

Grading Scale:

90-92%, 93% +	A-, A
80-82%, 83-86%, 87-89%	B-, B, B+
70-72%, 73-76%, 77-79%	C-, C, C+
60-62%, 63-66%, 67-69%	D-, D, D+
≤ 59 %	F

Exam Schedule: First Lecture Exam: Friday, February 3, 9:10 a.m.
Second Lecture Exam: Monday, February 27, 9:10 a.m.
Lab Final: Wednesday, March 8, regular lab time
Lecture Final (comprehensive): Tuesday, March 14, 8:00 a.m.

Exams: Three lecture exams will be comprised of short answer, essay, multiple choice, problem solving, and fill-in-the-blank questions. Each exam will come from material covered in class, corresponding book chapters as outlined in the lecture schedule, and any supplemental readings up to that point. Understand that material may be derived from assigned book chapters or readings even if it was not covered during lecture. The final

exam **is** comprehensive. Exams will be structured as to assess comprehension and application of material. They will not assess memorization of facts even though knowing certain facts is a prerequisite to understanding at a level that allows for critical thinking and application. If a make-up exam is required per University excused absence, it may be a different and more difficult exam than what was provided to the students during the regularly scheduled exam (see in relation to ‘attendance policy’).

Laboratory: A separate laboratory syllabus will be provided to you at your first laboratory meeting. Criteria for grading for the lab section will also be reviewed at that time.

Extra credit: There will be no opportunities to earn extra-credit in this course. I believe that your time is better spent studying the course-relevant material (in this class and others). Time used for extra-credit is time spent away from studying/reviewing your notes and the text. Invest in what is important.

Attendance Policy: Attendance, taken in lecture on randomly chosen days, counts 5% of the course grade. In addition, exam questions are based heavily on lecture material, some of which is NOT in the text. Lab attendance is mandatory. Any unexcused absence from lab will result in the lowering of your course grade by one notch (e.g., from an A- to a B+).

Legitimate reasons for missing a lab include illness, death in the immediate family, religious observance, and involvement in University-sponsored academic activities. Other reasons will be considered on a case by case basis. Any absence other than for illness or death in the family must be cleared in advance with the course instructor or the lab instructor.

In order to schedule a make-up exam in the lecture, you must contact the course instructor within 24 hours after an exam that was missed due to illness or death in the family.

Academic Dishonesty:

I expect that each student will be honest in all of their academic endeavors. All assignments and exams are expected to be an individual effort. However, any student caught cheating, plagiarizing (if in doubt, document your sources) or engaging in any form of academic misconduct as outlined in the Undergraduate Catalog will automatically fail the assignment, the course, and will be immediately referred to the Judiciaries.

Class Etiquette:

Again, it is my intention to provide a safe, respectful, and optimal environment that promotes learning. Yet in recent years, it has been recognized that the amount of talking during lectures across campus has increased. Students talking, whispering, reading the newspaper, or creating other disturbance during lecture not related to the activity at hand

will be excused from class. Students committing a second offense will be referred to the Judiciaries. **Please turn off cell phones, pagers, and beepers before the start of class.**

Tentative Course Schedule

<u>Dates</u>	<u>Lecture Topics</u>	<u>Text Pages</u>
Jan. 3-6	Introduction Evolution and systematics	35-38, 227-235 198-200, 219-226
Jan. 9-11	Bacteria Eukaryotic life cycles	238-250, 258-259 235-237, 147-148 158-161 optional: 58-67, 241- 242, 143-147
Jan. 13-20	Fungi, lichens	260-295
Jan. 23-27	Slime molds, water molds, algae	296-344
Jan. 30 – Feb. 1	Bryophytes	345-367
<u>Feb. 3</u>	<u>First lecture exam</u> (through algae)	
Feb. 6-10	Pteridophytes (vascular plants that do not reproduce by seed)	368-407
Feb. 13-17	Reproduction by seed; "gymnosperms"	408-433
Feb. 20-Mar 6	Angiosperms	434-451, 460-470
<u>Feb. 27</u>	<u>Second lecture exam</u> (through gymnosperms)	
Mar. 8-10	Recapitulation of phylogeny; review for final	
<u>March 14 (Monday), 8:10 a.m.: Final Lecture Exam</u>		

PBIO 211 Lab Schedule
Winter 2006

No labs in Week 1

Week 2

Mon., January 9

Lab 1. Introduction to Major Taxa

Wed., January 11

Lab 2. Microscopy; Initiating Cultures & Mini-marshes

Week 3

Mon., January 16

NO CLASS (MARTIN LUTHER KING DAY)

Wed., January 18**

Lab 3. Bacteria

Week 4

Mon., January 23*

Lab 4. Fungi I

Wed., January 25

Lab 5. Fungi II

Week 5

Mon., January 30*

Lab 6. Protista I

Wed., February 1

Lab 7. Protista II

Week 6

Mon., February 6*

Lab 8. Bryophytes

Wed., February 8

Lab 9. Psilophyta, Lycophyta, Sphenophyta

Week 7

Mon., February 13*

Lab 10. Ferns

Wed., February 15

Lab 11. Gymnosperms

Week 8

Mon., February 20

Lab 12. Angiosperms (flowers)

Wed., February 22*

Lab 13. Angiosperms (life cycle)

Week 9

Mon., February 27*

Lab 14. Angiosperms (fruits)

Wed., March 1

NO LAB

Sat., March 4, 1-5 pm

FIELD TRIP; MEET BEHIND PORTER HALL

Week 10

Mon., March 6

Lab Review

Wed., March 8

Lab Final

*Quiz at beginning of class

** Lecture quiz

