

Plant Biology 211 Lab
Winter 2006

Instructors: Melanie Schori (411 Porter Hall; ms35704@ohio.edu)
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Text: Raven, P. H., R. F. Evert, & S. E. Eichhorn, Biology of Plants, 7th edition (2005), Worth Publishers, New York, N.Y. **Important!! This book should always be brought to lab, as it is referred to in the lab exercises.**

Goals: 1) to survey selected major clades, with emphasis on plants, fungi, and photosynthetic protists; 2) to learn the distinguishing features of each clade; 3) to develop an understanding of how these features relate to the functioning and life cycle of the organism; 4) to understand the evolutionary homologies of the structures and stages of different organisms; and 5) to develop basic skills in dissection and microscopy.

Basis for Grade:

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| 6 Quizzes | 60% |
| Lab Final | 40% |

Attendance Policy: Lab attendance is mandatory. Any unexcused absence from lab will lower your course grade by one notch (e.g., from an A- to a B+ for one unexcused absence). A "legitimate" absence (explained below) will not result in this penalty.

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 an individual 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. A lab session that has been missed, even for legitimate reasons, cannot be made up. You are excused from the portion of a quiz that covers lab material that you missed for legitimate reasons, but the final lab exam must be taken regardless.

Academic Dishonesty: 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.

Saturday Field Trip: There will be no lab on Wednesday, March 1. Instead, there will be a field trip (1-5 p.m.) on Saturday, March 4. Please put this date on your calendar.

Quizzes: Lab quizzes will be given on January 23 (Mon.), January 30 (Mon.), February 6 (Mon.), February 13 (Mon.), February 22 (Wed.), and February 27 (Mon.). Each one will test you on material covered in the previous week's labs. At least some questions on each quiz will be of the "practical" type (i.e., you will view material you have seen before and be asked questions about it). Emphasis will be on recognition and understanding of structures seen in lab and familiarity with the life cycles of the organisms. Material seen in lab or

covered in the lab exercises and other lab handouts is "fair game," but you will not be quizzed in lab on material found only in the text unless it is specifically cited in the lab exercises or handouts.

There will also be a lecture quiz given at the beginning of the Jan. 18 lab.

Although given during lab, it covers lecture material and counts toward your grade on the first lecture exam, not the lab grade.

Final Lab Exam: A comprehensive lab exam will be given during the final lab meeting of the quarter. At least some questions will be of the "practical" type.

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 covering the previous week's labs

** Lecture quiz