

**Ohio University**  
**PBIO 114, Foundations of Plant Biology**  
**Fall 2005**

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Instructor: Dr. Sarah Wyatt

Email: [wyatts@ohio.edu](mailto:wyatts@ohio.edu)

Office Hours: MWF 10:00 - 10:30 am or by appointment

Office: 508 Porter

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**Course web page:** <http://oak.cats.ohiou.edu/~wyatts/PBIO%20114/>

**Course Overview:**

The course will cover the foundations of biological processes at the cellular and molecular level. Topics include DNA structure and function leading to genetics and evolution, theories of the origins of life leading to cell structure and function, and bioenergetics. The lab and lecture are highly integrated with the lab focusing on scientific method and experimental design. This course satisfies the General Education Requirement for a writing enriched course.

**Lecture:** MWF 9:10-10:00 pm, Porter Hall 104

**Lab:** Porter Hall 304, MW 1:10- 3:00 pm (A01), MW 3:10-5:00 (A02)

**Final Exam:** Thursday Nov. 17, 2005, 10:10 am, Porter 104

**Textbook:** *Biology Of Plants*, Raven, Evert & Eichhorn. 7<sup>th</sup> edition. Worth Publ.

**Lab Manual:** PBIO 114 Lab Exercises, available at Grade A Notes on Union St.

**Class Format:** Lecture/ Discussion/ Lab. Lecture will focus on the presentation of course content. Lab periods will focus on discussion of content and use of the scientific method to address questions pertinent to lecture topics. Students will be expected to be active in experimental design and hypothesis testing.

**Grading:** Your final grade will be determined by adding points from 3 mid-term exams, a final comprehensive exam, lab notebook, lab reports and 2 opinion/response papers. Exams will cover material from both lecture and lab. Practice **quizzes** will be provided on-line for each topic. These are not included in the final grade but are provided as a self-assessment of your progress with the course material.

Exam 1	70 pts		
Exam 2	70 pts	Lab reports	120 pts
Exam 3	70 pts	Lab notebook	50 pts
Final Exam	100 pts	Informal writings/participation	20 pts

<b>Grade assignments:</b>	A-, A	450 -500 pts (90-100%)
	B+, B, B-	400 -449 pts (80-89%)
	C+, C, C-	350 -399 pts (70-79%)
	D+, D, D-	300 -349 pts (60-69%)
	F	< 300 pts (<60%)

**Policies on Attendance:** You are expected to attend all lecture and lab sessions. Missed work will not be excused without adequate proof of legitimate absence as per University policy.

**Academic dishonesty:** Any evidence of cheating in lecture or lab, including falsification or misrepresentation of data or plagiarism will result in failure of the course.