

**PBIO 442/542 - Experimental Anatomy of Plant Development**  
Syllabus (Version Dec05)  
Winter Quarter 2008 (Calls #05324/05331)

**Instructor:** Dr. Stefan Gleissberg  
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Office hours by appointment

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**Description:**

The molecular genetic concepts of plant development have been integrated with the descriptive assessment of cells, tissues, and organs that are the mainstay of plant anatomy to provide an exciting opportunity for all plant biologists. The course is grounded in experimentation and includes modern approaches to the study of gene expression.

**Lecture:** MWF 8:10 - 9:00 a.m., Porter Hall 305

**Lab:** MWF 9:10 - 11:00 a.m., Porter Hall 305

**Blackboard Web site** <https://blackboard.ohiou.edu/>

**Class format:** Lecture/Lab. The lecture and laboratory are highly integrated. Lectures provide a conceptual framework for labs and will serve to introduce topics and material needed to successfully complete the lab sessions.

**Grading:** Grades will be based on performance on two written exams, a lab skills assessment, two lab mini-projects and a comprehensive laboratory project. You will be expected to maintain a lab notebook, and at the completion of the project, students will be expected to submit a final written report in the form of a paper for submission to a peer-review journal and give an oral presentation of their work.

**Grade assignments:**

Exam 1	100 pts	A-, A	90-100%
Exam 2	100 pts	B+, B, B-	80-89%
Lab notebook	50 pts	C+, C, C-	70-79%
Skills assessment	50 pts	D+, D, D-	60-69%
Mini projects	50 pts	F	<60%
Final project paper	100 pts		
Project presentation	50 pts		

**Policies on Attendance:** Class participation is expected; therefore, attendance of all classes is expected. Missed work will not be excused without adequate proof of legitimate absence as per University policy.

**Academic dishonesty:** Any evidence of cheating, including plagiarism, will result in failure of the course.