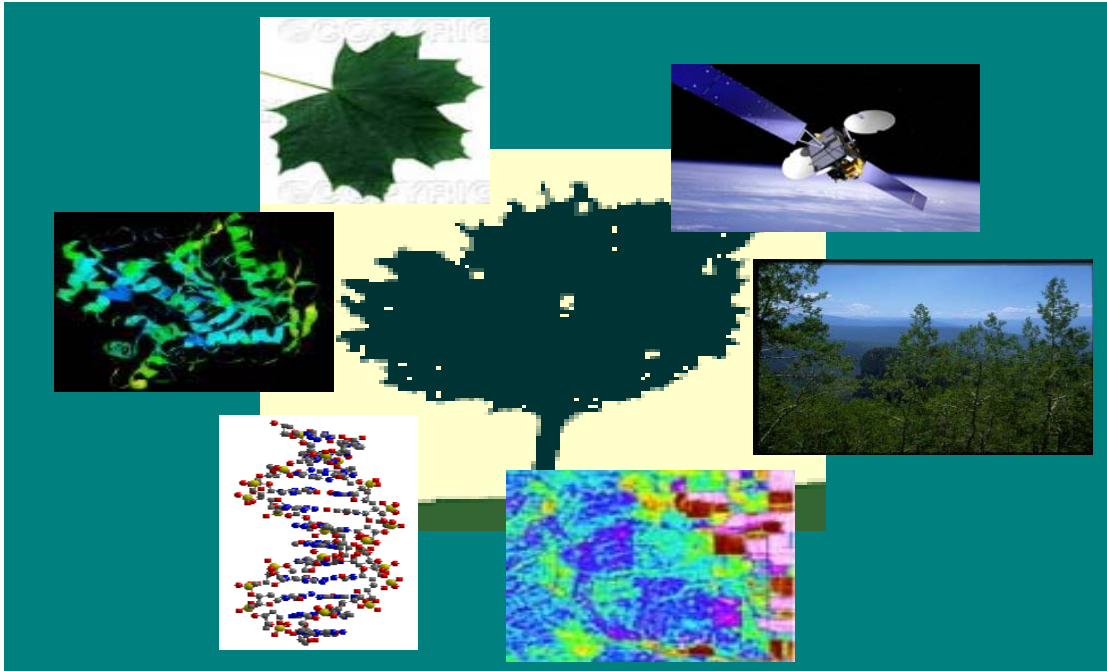


# PLB 316 Experiments in Plant Biology



*This course is offered as a broadly-based laboratory course in which students will gain experience in a wide range of modern experimental methods, from the molecular to the ecosystem level. Topics include:*

Plant Hormones

Photosynthesis

Transpiration

Transgenic Plants

DNA Cloning and Analysis

Nutrient Cycling

Field Techniques

Ecosystem Modeling

GIS and Remote Sensing

Research Ethics

*Each experiment and technique covered in the course will be explained by lectures and background readings. Students will leave the course with an expansive view of different types of plant biology research, the ability to devise their own testable hypotheses, and an introduction to evaluating others' scientific work. The course is designed for Plant Biology majors but is open to students with a range of backgrounds depending on space availability.*

**SPRING SEMESTER 2006 • 4 credits**

**Professors:**

**Carolyn Malmstrom & John Ohlrogge**

**Tues. 9:10 a.m. - 1:00 p.m.**

**Thurs. 9:10 a.m. - 12:00 noon**

**Room 255 Plant Biology Building**