

# PLANT BIOLOGY (PLBIO)

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**Any experimental courses offered by PLBIO can be found at:**

registrar.iastate.edu/faculty-staff/courses/explisting/ (<http://www.registrar.iastate.edu/faculty-staff/courses/explisting/>)

**Courses primarily for graduate students, open to qualified undergraduates:**

## **PLBIO 513: Plant Metabolism**

(Cross-listed with GDCB). (2-0) Cr. 2. Alt. F., offered even-numbered years.

*Prereq: BIOL 330, PHYS 131, CHEM 331; one semester of biochemistry recommended*

Photosynthesis, respiration, and other aspects of plant metabolism.

## **PLBIO 545: Plant Molecular, Cell and Developmental Biology**

(Cross-listed with GDCB, MCDB). (3-0) Cr. 3. Alt. F., offered odd-numbered years.

*Prereq: Biol 313, BIOL 314, BIOL 330 or BBMB 405*

Plant nuclear and organelle genomes; regulation of gene expression; hormone signaling; organization, function, and development of plant cells and subcellular structures; regulation of plant growth and development.

**Courses for graduate students:**

## **PLBIO 696: Research Seminar**

(Cross-listed with AGRON, BBMB, FOR, GDCB, HORT). Cr. 1. Repeatable.

F.S.

Research seminars by faculty and graduate students. Offered on a satisfactory-fail basis only.

## **PLBIO 699: Research**

Cr. arr. Repeatable.