



Now Available Online!
PLS/ABE 475A/575A

Physiology of Plant Production under Controlled Environment

Spring 2012

Greenhouse ecosystems



Growth chambers



Postharvest storage



In vitro ecosystems

This course (3 units) is offered online for off-campus students or full-time working students, concurrently to the separate in-class session for on-campus students. **Please note that on-campus students need instructor's permission to take the online option.** Syllabus is available from the CEAC website: <http://www.ag.arizona.edu/ceac/ceac-courses>

Course description: Students will learn the major environmental factors affecting plant growth and development and will understand interactions between plants and their microenvironments, including light penetration and CO₂/H₂O diffusion. Students will learn energy and mass balance of leaves and canopy and correlate these phenomena with plant productivity and related plant physiological mechanisms. Lectures cover critical controlled environment issues and practices of plant production in greenhouse, plant production factory, tissue culture vessels and post-harvest storage, with an introduction to the current research status in these areas.

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