

# Horticultural Crop Physiology

## Course Information Sheet

Taught by Louisiana State University

**Course Overview:** This course is offered online as part of the Alliance for Cooperative Course Exchange in Plant Science (ACCEPtS) program and is designed to provide students with an in-depth understanding of physiology of horticultural plants, including water relations, respiration, photosynthesis, and growth and development.

Instructor	Dr. Jeff Kuehny (225)-578-1043 (office) <a href="mailto:jkuehny@agctr.lsu.edu">jkuehny@agctr.lsu.edu</a>
Course Dates	Spring Semesters
Recommended Text	Plant Physiology, Taiz, Zeiger; 2nd ed., ISBN:978-8-7893-856-8 (to be purchased as an on-line text not at bookstores)
Campus Coordinator	Jere Townsend <a href="mailto:JTownsend@agcenter.lsu.edu">JTownsend@agcenter.lsu.edu</a>
Course Management System	Desire 2 Learn

### Course at Enrolling Institutions:

University of Arkansas	Horticulture Crop Physiology
Louisiana State University	Horticulture Crop Physiology
Mississippi State University	Horticulture Crop Physiology
Oklahoma State University	Horticulture Crop Physiology

**Course Objectives:**

With successful completion of this course, the student will obtain the following learning outcomes:

1. Understanding of water relations, ion transport, transport in the phloem source, and mineral nutrition; provide an understanding of crop response for enhancing problem solving and optimizing crop production.
2. Understanding the respiratory pathways and photosynthetic processes in relation to crop yield and the use of plant growth regulators, herbicides and environmental factors affecting these processes.
3. Apply knowledge of plant growth and development that pertains to the production and scheduling of agricultural crops.

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