# Horticultural Crop Physiology

**Course Information Sheet**  
**Taught by Louisiana State University**

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

View Syllabus