Instructor: Derald Harp, Ph.D., Associate Professor - Horticulture
Office Location: AgIT 135
Office Hours: M – 9 – 10 am, 11 am – Noon; F – 9 – 11 am
Office Phone: (903) 886-5351
Office Fax: (903) 886-5990
University Email Address: Derald.Harp@tamuc.edu

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:

Textbook(s) Required: None

Course Description:
This course is designed to introduce the student to the basic concepts and skills utilized in horticulture. Students will receive an introduction to basic botanical concepts such as morphology, anatomy, taxonomy, physiology, genetics, and propagation as they apply to horticultural crops.

Student Learning Outcomes:
1. Students will demonstrate an understanding of and be able to communicate well concerning basic botanical concepts such as plant taxonomy, morphology, anatomy, physiology, mineral nutrition, reproduction, and genetics as they apply to horticultural crops.
2. Students will recognize plant responses to changing environmental conditions, such as drought, heat, cold, and changes in light (blue-light responses, red-light responses, photoperiodism)
3. Acquaint the student with the broad field of horticulture including greenhouse and nursery crops, ornamental horticulture, pomology, and olericulture.
4. Students will be able to analyze, evaluate, or solve problems when given a set of circumstances or data.
5. Student communication will be clear, purposeful, and make appropriate use of evidence, data and technology where applicable.
6. Students will be able to interpret, test, and demonstrate principles revealed in empirical data.
7. Students will be able to engage with peers in a project that demonstrates their understanding of relevant course theories and concepts.
Course Outline

Jan 21   Horticulture, Vegetative Morphology
Jan 28   Reproductive Morphology Stem and Leaf Anatomy
Feb 2    Group Projects I
Feb 9    Photosynthesis, Respiration
Feb 13   Exam I
Feb 16   Biology of Propagation, Genetics
Feb 23   Propagation by Seed, Asexual Propagation
Mar 2    Propagation Environment I and II
Mar 9    Growing Media
Mar 11   Exam II
Mar 16 – 20 Spring Break!!!
Mar 23   Horticultural Biology, Plant Hardiness
Mar 30   Landscape Soils, Plant Installation
Apr 6    Trees / Shrubs / Perennials / Annuals
Apr 7    FFA Area V and VI Career Development Event
Apr 13   Group Projects II
Apr 17   Exam III
Apr 20   Vegetables, Fruits, Melons
Apr 27   Nuts, Turfgrass Species
May 4    Turfgrass Cultural Practices
May 6    Exam IV
May 11 Final Exam, 8 am
Grading

1. 4 exams  
2. Comprehensive Final  
3. Plant Papers (2)  
4. Group Assignments (2)  
5. Quizzes  
6. Grade Assignment  
   
There will be no “Extra Credit” work offered.

<table>
<thead>
<tr>
<th>Grade Assignment</th>
<th>Points</th>
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<tbody>
<tr>
<td>900+</td>
<td>A</td>
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<tr>
<td>800 – 899</td>
<td>B</td>
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<td>700 – 799</td>
<td>C</td>
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<td>600 – 699</td>
<td>D</td>
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<tr>
<td>below 600</td>
<td>F</td>
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ATTENDANCE

As adults, you are responsible for regular attendance and your own grade. Roll will be taken daily. If you are not in class when your name is called you will be considered absent. Absences without a valid excuse (to be determined by the instructor) will be considered unexcused and your final grade will be adjusted according to the following scale:

- 2 absences  
  No adjustment to final grade
- 5 or more absences  
  Final grade lowered by one letter grade
- 8 or more absences  
  Final grade of F

No makeup exam will be provided for those with unexcused absences.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures:

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. Students are expected to respect the rights of others in the class. Cell phones and other electronic equipment should be turned off prior to the beginning of class. Use of these items during class time, or any other unwarranted classroom disruption, will result in your immediate excusal from class for the remainder of the period.

You may bring drinks to class. Please finish any meals before class begins. The use of tobacco products during class time is strictly prohibited.

Cheating of any kind will not be tolerated. Copying of others’ work, use of disallowed material on exams, plagiarism in assignments, or cheating in any other form as defined by the instructor will result in a grade of zero for that assignment. Multiple infractions will result in a grade of ‘F’ for the course. No electronic equipment, except calculators, will be allowed during exams. Violation of this will result in an immediate grade of ‘0’ for the exam.
ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamu-commerce.edu
Student Disability Resources & Services