**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 horticulture. Four hours (2 1.5-hour lectures, 1 2-hour lab).

**Required Materials**

Harp, Derald A. Introduction to Horticulture Lab Manual. ($10) Must be purchased during lab.

Hand Pruners

PowerPoint presentations will be posted on the Texas A&M – Commerce T: drive. Please download presentations prior to each lecture.

E-College course page (Web Enhanced)

**Course Objectives**

1. Introduce students to the basic botanical concepts such as plant taxonomy, morphology, anatomy, physiology, mineral nutrition, reproduction, and genetics as they apply to horticultural crops.

2. Acquaint the student with the broad field of horticulture including greenhouse and nursery crops, ornamental horticulture, pomology, and olericulture.

3. Develop manipulative skills such as propagation, pruning, watering, fertilization, and other cultural techniques specifically for successful growth of horticultural crops for human culinary and aesthetic benefits.

**Expectation of Students**

1. Active participation in classroom discussions on topics brought out in the lecture and from outside reading assignments.

2. Active participation in laboratory assignments, including timely completion of outside class assignments.

3. Care and respect of the property of others and Texas A&M University – Commerce.

4. Regular classroom attendance.
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<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Jan 15/17</td>
<td>Horticulture</td>
<td>Mar 19/21</td>
<td>Horticultural Biology</td>
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<tr>
<td></td>
<td>Vegetative Morphology</td>
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<td>Hardiness/Design</td>
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<td>Jan 22/24</td>
<td>Reproductive Morphology</td>
<td>Mar 26/28</td>
<td>Soils</td>
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<td>Anatomy / Leaf Anatomy</td>
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<td>Plant Installation</td>
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<td>Jan 29/31</td>
<td>Photosynthesis</td>
<td>Apr 1</td>
<td><em>Last day to drop (Q)</em></td>
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<td>Respiration</td>
<td>Apr 2/4</td>
<td>Trees / Shrubs</td>
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<tr>
<td>Feb 5/7</td>
<td>Exam I</td>
<td>Apr 9/11</td>
<td><em>Area V and VI CDE</em></td>
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<td></td>
<td>Biology of Propagation</td>
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<td>Exam III</td>
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<td>Feb 12/14</td>
<td>Genetics</td>
<td>Apr 16/18</td>
<td>Nuts in Texas</td>
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<td>Propagation by Seed</td>
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<td>Vegetables in Texas</td>
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<tr>
<td>Feb 19/21</td>
<td>Asexual Propagation</td>
<td>Apr 23/25</td>
<td>Turf Species</td>
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<td>Propagation Environment I</td>
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<td>Turfgrass Cultural Practices</td>
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<td>Feb 26/28</td>
<td>Propagation Environment II</td>
<td>Apr 30/May 2</td>
<td>Exam IV</td>
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<td>Media</td>
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<td>Review for final</td>
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<td>Mar 5/7</td>
<td>Exam II</td>
<td>May 7</td>
<td>Final Exam</td>
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<td>Mar 11-15</td>
<td><em>Spring Break</em></td>
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<td>8 – 10 am</td>
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Laboratory Schedule

Unless announced otherwise, all labs will meet at the Horticulture Greenhouse on Highway 50.

Jan 14  No lab

Jan 21  Laboratory Orientation
        Tour of facilities
        Greenhouse Structures

Jan 28  Seeds and Seed Germination

Feb 4   Pots and Growing Media

Feb 11  Vegetative Plant Parts

Feb 18  Reproductive Plant Parts

Feb 25  Plant Classification

Mar 4   Genetics and Sexual Reproduction

Mar 11 Spring Break

Mar 18 Asexual Reproduction

Mar 25 Plant Water Relations

Apr 1   Landscape Plant Identification

Apr 8   FFA Career Development Event

Apr 15  Landscape Plant Identification II

Apr 22  Turfgrass Identification and
        Maintenance

Apr 29  Lab Final

Lab grades will be based upon performance on a 100 point lab final and weekly lab quizzes, each worth 20 points each. Lab quizzes will begin in week 3. Quizzes will be conducted at the beginning of each laboratory session. Be on time! Quizzes will start promptly and questions will not be repeated for tardy students. You will be allowed to drop your lowest lab quiz grade. This includes quizzes missed with excused absences. You must notify your lab instructor via phone or email prior to the beginning of the lab you miss.

Course Evaluation:

1. 4 exams 400 points
2. Comprehensive Final 200 points
3. Plant Papers 100 points
4. Lab 300 points
5. Quizzes 100 points
6. Grade Assignment 990+ = A
   880 – 989 = B
   770 – 879 = C
   660 – 769 = D
   below 660 = F
7. There will be no “Extra Credit” work offered.

Exams

There will be 4 one-hour exams worth 100 points each. There will be no makeup exams. In the event of an excused absence on an exam date, you will be able to replace the missed exam with a grade equivalent to ½ of your final exam grade.
Quizzes

There will be a minimum of 12 unannounced quizzes during lecture worth 10 points each. Your 2 lowest earned grades will be dropped. Quizzes missed due to unexcused absences will remain as a grade of ‘0’.

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:

- 0 absences  + 2 %
- 1 absence  + 1%
- 2 absences  No adjustment to final grade
- 3 – 4 absences  − 2 %
- 5 – 7 absences  − 5 %
- 8 or more absences  Grade of F

Student Conduct

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.

Students requesting accommodations for disabilities must go through the Academic Support Committee. For more information, please contact the Director of Disability Resources & Services, Halladay Student Services Building, Rm. 303D, (903) 886-5835.