



**PIS 1315 Introduction to Horticulture
Course Syllabus: Fall 2016**

Instructor: Derald Harp, Ph.D., Associate Professor - Horticulture

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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 horticulture.

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 REQUIREMENTS

Course Outline

Week 1	Horticulture, Vegetative Morphology
Week 2	Reproductive Morphology Stem and Leaf Anatomy
Week 3	Group Projects I
Week 4	Photosynthesis, Respiration
Sept 22	Exam I
Week 5	Biology of Propagation, Genetics
Week 6	Propagation by Seed, Asexual Propagation
Week 7	Propagation Environment I and II
Week 8	Growing Media
Oct 20	Exam II
Week 9	Horticultural Biology, Plant Hardiness
Week 10	Landscape Soils, Plant Installation
Week 11	Trees / Shrubs / Perennials / Annuals
Week 12	Group Projects II
Nov 17	Exam III
Week 13	Vegetables, Fruits, Melons
Week 14	Nuts, Turfgrass Species
Week 15	Turfgrass Cultural Practices
Dec 6	Exam IV
Dec 13	Final Exam, 8 am

Grading

- | | |
|--------------------------|---------------|
| 1. 4 exams | 400 points |
| 2. Comprehensive Final | 200 points |
| 3. Plant Papers (2) | 100 points |
| 4. Group Assignments (2) | 100 points |
| 5. Quizzes | 100 points |
| 6. Grade Assignment | 900+ = A |
| | 800 – 899 = B |
| | 700 – 799 = C |
| | 600 – 699 = D |
| | below 600 = F |

There will be no “Extra Credit” work offered.

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 'O' 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@tamuc.edu

[Student Disability Resources & Services](#)

“Campus Carry”

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to (<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>) and/or consult your event organizer). Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.