



**PIS 1115 Introduction to Horticulture Lab  
Course Syllabus: Spring 2016**

**Instructors:** Derald Harp

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| <b>COURSE INFORMATION</b> |
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**Materials – Textbooks, Readings, Supplementary Readings:**

*Textbook(s) Required:* Introduction to Horticulture Lab Manual

**Course Description:**

Introduction to the techniques and science for the growth and propagation of horticultural plants, including identification, propagation, fertilization, and pruning.

**Student Learning Outcomes:**

*Students will be able:*

1. To identify plant vegetative and reproductive structures, understand the classification of plants at the family, genus, and species level, and sight identify common landscape plants.
2. To propagate plants using both seeds and vegetative material, and identify various substrate types, containers, and controlled-environments structures commonly used in the horticulture industry.
3. To identify various soil textures by feel and understand how soil characteristics affect plant performance, including proper planting techniques.
4. To identify basic plant problems, such as nutrient deficiencies, water stress, light responses, pests, and diseases.

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| <b>COURSE SCHEDULE</b> |
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**Course Outline**

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|----------------|--|
| Week 1         | No lab                                 |
| Week 2         | Greenhouse structures                  |
| Week 3         | Vegetative Morphology                  |
| Week 4         | Reproductive Morphology                |
| Week 5         | Plant Classification                   |
| Week 6         | Pots and Media / Plant Nutrition       |
| Week 7         | Seeds and Germination                  |
| Week 8         | Asexual Reproduction                   |
| Week 9         | Soils                                  |
| Week 10        | Plant Water Relations / Photosynthesis |
| Week 11        | No lab!                                |
| Week 12        | Trees                                  |
| Week 13        | Shrubs                                 |
| Week 14        | Turfgrasses                            |
| <b>Week 15</b> | <b>Lab Final</b>                       |

## Grading

- |                        |               |
|------------------------|---------------|
| 1. Quizzes             | 200 points    |
| 2. Comprehensive Final | 100 points    |
| 3. Lab Project         | 100 points    |
| 4. Grade Assignment    | 360+ = A      |
|                        | 320 – 359 = B |
|                        | 280 – 319 = C |
|                        | 240 – 279 = D |
|                        | below 240 = F |

## 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**  
**Gege Library 132**  
**Phone (903) 886-5150 or (903) 886-5835**  
**Fax (903) 468-8148**  
[StudentDisabilityServices@tamu-commerce.edu](mailto:StudentDisabilityServices@tamu-commerce.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.