



**PIS 1115 Introduction to Horticulture Lab
Course Syllabus: Summer 2015**

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COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:

Textbook(s) Required: An Introduction to Horticulture, Lab Techniques and Procedures, Derald A. Harp

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.

COURSE SCHEDULE

Course Outline

July 17 (morning)	Greenhouse structures
	Pots and Media / Plant Nutrition
	Seeds and Germination
	Asexual Reproduction
	Quiz 1
July 17 (afternoon)	Vegetative Morphology
	Reproductive Morphology
	Plant Classification
	Green Roofs
	Quiz 2
July 31 (morning)	Soils
	Plant Water Relations / Photosynthesis
	Quiz 3
	Data collection
July 31 (afternoon)	Trees
	Shrubs
	Turfgrasses
	Quiz 4
	<i>Research Report</i>

Grading

- | | |
|---------------------|---------------|
| 1. Quizzes | 200 points |
| 2. Participation | 100 points |
| 3. Research 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 '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
Gege Library 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamu-commerce.edu
[Student Disability Resources & Services](#)