

Introduction To Horticulture: Science And Technology



The University of Tennessee
College of Agricultural Sciences and Natural Resources

PS 210 Horticulture: principles & practices Course Information & Syllabus Fall 2009

Meeting Time: **Monday, Wednesday, and Friday at 11:15 am to 12:05 pm**
Location: **Room 125 Ellington Plant Sciences**

Contact Information:

Instructor: Dr. Dean Kopsell, Associate Professor, Plant Sciences Department
Office: 330 Plant Biotechnology Building
Phone: (865) 974-1145
E-mail: dkopsell@utk.edu
Office Hours: Monday and Wednesday: 1:30 pm to 3:30 pm, or by appointment.

Course Description: An introduction to the science and technology underlying the use and production of horticultural crops and landscape plants. Structure, growth and development of horticultural plants from a practical and scientific approach, environmental effects, basic principles of propagation, greenhouse and outdoor production, nutrition, pruning and chemical control of growth, pest control, and the various branches of horticulture. *Prerequisite(s): Biology 111 and 112 (General Botany).*

Course Objectives: Everyone is impacted through their involvement in the horticultural sciences. The course has been designed to introduce both the science and practical applications of all areas within horticulture. Upon completion of this course, students will be able to:

1. Describe the structure, growth, and development of horticultural plants from a practical and scientific standpoint.
2. Describe the underlying environmental effects that impact the growth and development of horticultural crops.
3. Have an understanding of the basic principles of propagation, greenhouse and outdoor production, nutrition, pruning and chemical control of growth, pest control, and the various branches of horticulture.

Textbook: Arteca, R.N. 2006. *Introduction to Horticultural Science*. Thompson – Delmar Learning. Textbook is available at the UT Bookstore, or at Amazon.com.

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disciplines of plant science, soil management, plant identification, and pest management. This citation is. The Horticulture program is soundly based on horticultural technology and prepares students for careers HORT 20, Introduction to Horticulture Science, 4.

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