

HORTICULTURE (HORT)

HORT 1110 Introduction to Horticulture 3 Credits (3)

An introduction to principles and practices of horticulture as a science and its practical applications. Includes an introduction to plant anatomy, classification and identification, physiology, genetics, and propagation as they apply to horticulture.

Learning Outcomes

1. Demonstrate an understanding of basic plant biology concepts in plant morphology, anatomy, taxonomy, physiology, reproduction, and genetics.
2. Recognize plant responses to biotic and abiotic environmental conditions.
3. Students will facilitate plant growth, solve problems, and demonstrate principles revealed with hormone, propagation, nutrition, water, and soil modification.
4. Understand and apply general horticulture principles and practices.
5. Understand career opportunities in horticulture.

View Course Outcomes

HORT 1115G Introductory Plant Science 4 Credits (4)

Introduction to the physical, biological, and chemical principles underlying plant growth and development in managed ecosystems. In the laboratory portion of the class, students perform experiments demonstrating the principles covered in lecture. The course uses economic plants and agriculturally relevant ecosystems to demonstrate basic principles. Appropriate for nonscience majors. (3+2P)Crosslist: AGRO 1110G. Provides lab.

Provides Lab

View Course Outcomes

HORT 2110 Ornamental Plants I 4 Credits (4)

This covers identification, botanical characteristics, culture, and landscape uses of woody plants. Emphasis will be on deciduous trees, native shrubs, and evergreens. (2+3P)

Learning Outcomes

1. Given 35 ornamental plants selected from the course's plant list, 100% of students will be expected to correctly identify the genus, species, and common names of the plants with 70% accuracy.
2. Given plants selected from the course's plant list, 100% students will be expected to identify to landscape use of those plants with 85% accuracy.

View Course Outcomes

HORT 2120 Ornamental Plants II 4 Credits (4)

Identification, botanical characteristics, culture, and landscape uses of woody plants. Emphasis on flowering trees, cacti, and members of the pea and rose families. (2+3P)

Learning Outcomes

1. Given 35 ornamental plants selected from the course's plant list, 100% of students will be expected to correctly identify the genus, species, and common names of the plants with 70% accuracy.
2. Given plants selected from the course's plant list, 100% students will be expected to identify to landscape use of those plants with 85% accuracy.

View Course Outcomes

HORT 2130 Floral Quality Evaluation and Design 2 Credits (2)

Critical hands-on evaluation of the quality of cut and potted floral and tropical foliage crops, their specific merits and faults, and fundamentals of floral design. (1+2P)

Learning Outcomes

1. Identify common floriculture crops or know resourcing to help identify the crop.
2. Evaluate quality (merit and fault) of common floriculture crops, based on industry standards and merit. Pi Alpha Xi and American Floral Endowment standards will be used for the purpose of this class.
3. Have a basic understanding of the floriculture industry and identify career pathways within the industry.
4. Know, understand, creatively interpret, and execute basic principles of design in regard to floral design.
5. Use interpersonal communication, problem solving, basic math, and marketing during cash and carry "lab" time (flower sales) in developing job ready skills in floristry.
6. Layer principles of design, marketing, sales, and time management to create floral art in real-world scenarios.

View Course Outcomes

HORT 2160 Plant Propagation 3 Credits (3)

Practical methods of propagating horticultural plants by seed, cuttings, layering, grafting, division and tissue culture. Examination of relevant physiological processes involved with successful plant propagation techniques. (2+2P)

Crosslist: AGRO 2160

Learning Outcomes

1. Practical methods of propagating plants by seed, cuttings, layering, grafting, division, and tissue culture through experiential, "hands-on" laboratories.
2. Relevant physiological principles involved in propagating horticultural plants through lecture discussions and readings.

View Course Outcomes

HORT 2990 Practicum in Horticulture 1 Credit (1)

Varies.

View Course Outcomes

HORT 2996 Topics in Horticulture 1-4 Credits

Varies.

View Course Outcomes