

Date: October 2008

I. Course Name: Introduction to Horticulture
Prefix and Number: HRT 110
Credit Hours and Contact Hours: 3 credit hours - 3 contact hours
Catalog Description:

Emphasis on the numerous specialties in Horticulture. Also a study of plants as living organisms, theory of pruning, fertilizing for healthy plants, hormones in plants, grafting and soil conditioning. Nutrient response of plants, soil fertility, fertilizers, fertilizer calculations, and spreader calibration will also be covered. This is recommended as a beginning course in Ornamental Horticulture.

II. Course Outcomes and Objectives

Learning Outcomes:

The objective of this course is to enable the student to become familiar with general environmental factors which affect plants under a variety of horticultural practices and management regimes. While this course attempts to give the student a general overview of the various occupational fields of horticultural science and technology, its prime objective is to orient the student to the plant sciences and to provide him with the fundamentals of caring for horticultural plants.

Relationship to Academic programs and curriculum:

This course is a requirement for all horticulture majors in all degree programs and certificates.

College competencies addressed by the course:

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|---|---|
| <input checked="" type="checkbox"/> writing | <input checked="" type="checkbox"/> ethics/values |
| <input checked="" type="checkbox"/> oral communications | <input checked="" type="checkbox"/> citizenship |
| <input checked="" type="checkbox"/> reading | <input checked="" type="checkbox"/> global concerns |
| <input checked="" type="checkbox"/> mathematics | <input checked="" type="checkbox"/> information resources |
| <input checked="" type="checkbox"/> problem-solving | <input checked="" type="checkbox"/> professional competency |
| <input checked="" type="checkbox"/> computer literacy | |

III. Methods of Instruction

Types of Course materials:

Textbook

Methods of instruction:

Lecture and discussion
Oral and written reports
Demonstration and field experiences

Assessment measures:

Textbook reading assignments and review questions

Reporting on professional journal articles
Visits to nurseries, farmer's markets, and parks (may be outside of class time)

Methods of Evaluation:

Classroom participation
Written reports and homework
Worksheets on horticultural math problems
Exams

IV. General Outline of Topics covered

- A. Contrast between conventional and sustainable horticulture
- B. Plant biology for the horticulturalist
- C. Plants and their environment
- D. Fertility management
- E. Successful gardening methods
- F. Controlling plant growth, emphasis on pruning
- G. Nursery production and careers in horticulture

Journals with articles of interest in horticulture

American Gardener
American Forests
American Naturalist
American Nurseryman
Audubon
Ecology
Fine Gardening
GM Pro
Grounds Maintenance
Grower Talks
Horticultural Science
Horticulture
Landscape Management
Plant Disease
Plants Alive
Weeds, Trees & Turf