

HRT - HORTICULTURE (HRT)

HRT 101 Introduction to Horticulture 3 SHC

This course covers the basic principles of horticulture as it relates to commercial production. Fundamental terms, concepts, and practices of the horticulture industry are discussed.

Lecture Hours: 2

Lab/Clinical Hours: 3

HRT 104 Landscape Design and Implementation 3 SHC

This course is a study of landscape design and drafting as well as landscape installation techniques.

Lecture Hours: 2

Lab/Clinical Hours: 3

HRT 107 Woody Ornamentals 2 SHC

This course is a survey of deciduous and evergreen ornamentals which can be grown in local gardens. Emphasis is on form, texture, size, color, blooming season, and culture.

Lecture Hours: 0

Lab/Clinical Hours: 6

HRT 108 Annuals and Perennials 2 SHC

This course is a survey of herbaceous plants, both annual and perennial, which can be grown in local gardens. Emphasis is on form, texture, size, blooming season, color, and culture.

Lecture Hours: 2

Lab/Clinical Hours: 0

HRT 110 Plant Form and Function 4 SHC

This course is a study of morphology, anatomy, and physiology of higher plants. Emphasis is on plant structure, function of plant parts, plant processes, plant growth and development, and plant inheritance.

Lecture Hours: 4

Lab/Clinical Hours: 0

HRT 121 Commercial Irrigation 3 SHC

This course examines the use of irrigation in the landscape industry with emphasis on design, equipment suitability, water application procedures, and construction. Design projects and job bidding are also included.

Lecture Hours: 2

Lab/Clinical Hours: 3

HRT 125 Soils 4 SHC

This course is a study of soils and plant nutrition. Emphasis is on physical and chemical properties, water, organic matter, and life of soils. Materials and methods for supplying nutrients to horticulture plants are also included.

Lecture Hours: 4

Lab/Clinical Hours: 0

HRT 127 Soil and Water Management 4 SHC

This course is a practical study of soil management with emphasis on fertilization, irrigation, and drainage practices.

Lecture Hours: 3

Lab/Clinical Hours: 3

HRT 130 Greenhouse Production 3 SHC

This course is a study of the basics of greenhouse production. Emphasis is on greenhouse soils, watering, fertilizing, pest control, climate control, and calculation of production costs. Basics of greenhouse structures are also covered.

Lecture Hours: 2

Lab/Clinical Hours: 3

HRT 133 Basic Plant Propagation 2 SHC

This course is an introduction to the basic methods of plant reproduction.

Lecture Hours: 1

Lab/Clinical Hours: 3

HRT 141 Horticulture Pest Control 4 SHC

This course includes a study of the identification and control of insects, diseases, and weeds that are pests of horticultural plants. Identification and correction of abiotic plant disorders is also covered.

Lecture Hours: 3

Lab/Clinical Hours: 3

HRT 153 Landscape Construction 3 SHC

This course covers the requirements and techniques of landscape construction. Emphasis is placed on construction of wood, concrete, and brick landscape structures; lighting; water features; and drainage.

Lecture Hours: 2

Lab/Clinical Hours: 3

HRT 200 Horticulture Business Management 3 SHC

This course is a study of business management practices in horticulture. Customer relations, budget construction, employee management, resume development, invoicing, federal and state tax regulations, immigration policy, basic marketing, and governmental laws and regulations are included.

Lecture Hours: 3

Lab/Clinical Hours: 0

HRT 212 Commercial Landscape Design 3 SHC

This course is a study of landscaping principles and practices with emphasis on large commercial or public landscape development. Students are introduced to working with computer based landscape design software.

Prerequisites: HRT 104

Lecture Hours: 2

Lab/Clinical Hours: 3

HRT 241 Turfgrass Management 3 SHC

This course is a study of the identification, use, culture, and maintenance of turf grasses. Emphasis is on the installation and management of turf in residential, commercial, and public areas.

Lecture Hours: 2

Lab/Clinical Hours: 3

HRT 254 Landscape Maintenance 2 SHC

This course is a study of the methods and procedures that are used in an overall approach to the maintenance of annuals, perennials, turf, shrubs, and trees in a large scale area.

Lecture Hours: 1

Lab/Clinical Hours: 3



HRT 255 Urban Tree Care 3 SHC

This course is a study of selection, installation and maintenance of trees in the urban landscape. Emphasis will be placed on industry standards and municipality requirements. Topics also covered are basic tree anatomy and proper tree pruning and health management.

Lecture Hours: 2

Lab/Clinical Hours: 3