

HORTICULTURE

City Park Campus:

Ms. Abbate, Asst Professor

Mr. Gillen, Instructor

HORT 101 General Horticulture 2-2-3

Introduction to art and science of horticulture. Principles and practices of environmental horticulture. Emphasis on green industry in New Orleans and Gulf South area. Laboratory involvement with hands-on experience, demonstrations and field trips.

HORT 110 Soil Science 2-1-2

Introduction to soil science and management. Current recommended practices; sustainable soil use, conservation practices, and soil mixes unique to greater New Orleans area.

HORT 111 Plant Materials 2-2-3

Growth characteristics of temperate, tropical, and subtropical landscape plants in exterior or interior setting. Culture and maintenance; laboratory involvement in ordering and using landscape and nursery stock, supplies, and equipment. Hands-on experience, field trip, and outside class project.

HORT 112 Plant Propagation 2-2-3

Introduction to art and science of propagating plants. Practices for increasing plant numbers; anatomical and physiological basis for methods of horticultural and agronomic crops. Laboratory work with hands-on approach to plant propagation. Outside class project required. Prerequisite: HORT 101 or permission of instructor.

HORT 113 Environmental Landscape Improvement 1-2-2

Basic residential landscape design. Preparation, evaluation, and implementation of simple landscape plans. Emphasis on ornamental plants, including small flowering shrubs, bedding plants, and tropicals. Laboratory stresses outside class project and field trips. Prerequisite: HORT 111 or permission of instructor.

HORT 114 Turf Grasses 1-2-2

Turf grasses: anatomy and physiology, growth, development, installation and maintenance. Characteristics in Southern Louisiana area; important pest problems. Outside lab work,

class project and field trips. Prerequisite:
HORT 110 or permission of instructor

**HORT 120 Horticultural
Professionalism 1-0-1**

Principles of professional behavior in green industry: resume writing, interviewing. Required oral presentations using computer for research.

HORT 151 Horticultural Internship I 0-12-2

Internship under direction of green industry supervisor and Horticulture Technology faculty. Practical experience in operations of horticultural enterprises; opportunity to develop awareness of segments of horticultural industry. Prerequisites: HORT 101 and HORT 110 and *either* HORT 112 *or* HORT 113.

HORT 160 Horticultural Certification 2-2-3

Survey of ornamental plants used in the horticulture industry, including ornamentals and flowering plants, trees, shrubs, and turf grasses. Includes instruction on basic plant processes, identification, and installation and maintenance processes. Deals also with soils, pest management, and fruit and vegetable production.

**HORT 200 Applied Botany for the
Horticulturist 1-2-2**

Introduction to basic principles and concepts of plants and their biology stressing the interrelationships of structure and function at succeeding levels of organization, from basic cells and cell structure through organism, population, community, and ecosystem. Includes the environmental needs of various plants to include their culture, growth and development. Prerequisite: HORT 101.

**HORT 201 Greenhouse Management
and Production Methods 2-2-3**

In-depth greenhouse and nursery plant production techniques, including temperature and humidity, plant watering and nutrient supply systems and controls. Emphasis on hands-on approach to starting and growing selected flowering shrubs, bedding plants, and indoor plants for market. Outside class project. Prerequisites: HORT 110, 112, and 214.

HORT 204 Landscape Irrigation 2-1-2

Landscape irrigation system, their design and requirements. Includes basic hydraulic functions, irrigation system development and layout characteristics, uses and adaptability of

irrigation systems in the southeastern Louisiana area, water and power supply requirements, and installation & maintenance procedures.

HORT 213 Environmental Landscape Improvement II 1-2-2

Principles and practices of landscape design, installation and management. Ornamental plants of South Louisiana in landscape and home environments: native flowering plants, trees, shrubs, vines and vine covers. Installation and maintenance procedures in interior plantscape. Interaction with industry, outside class assignment and field trip. Prerequisite: HORT 113.

HORT 214 Landscape Integrated Pest Management 2-2-3

Introduction to integrated pest management and natural and biological pest-control methods, focusing on insects, diseases, and weeds of economic importance to green industry in South Louisiana. Applicable to homes and landscapes in interior as well as exterior settings.

HORT 221 Urban Forestry 2-2-3

Identification, ecological, and practical application of evergreen and deciduous woody plants of economic importance to green industry of Southeastern Louisiana. Cultivation, maintenance practices, and use of trees and woody plants of Greater New Orleans area. Laboratory component includes diagnosis and control of tree problems, field work; outside class project and field trips.

HORT 222 Landscape Design and Management 0-4-2

Landscape project with proposal, cost estimates and contracts. Following installation, student responsible for short-term maintenance. Prerequisite: HORT 213.

HORT 224 Horticultural Seminar 1-0-1

Final course in Associate of Applied Science Degree Program. Research paper required in student's area of interest. Corequisite: HORT 251.

HORT 251 Horticultural Internship II 0-12-2

Internship program under direction of green industry supervisor and Horticulture Technology faculty. Practical experience in operations and management of horticultural enterprises. Prerequisite: HORT 151.