COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

ADVANCED PLANT MATERIALS

HOR-265 **Advanced Plant Materials** **2 (1-2)** **Summer**
Prerequisites: HOR-161[L]
Corequisites:
This course covers important landscape plants. Emphasis is placed on identification, plant nomenclature, growth characteristics, cultural requirements, and landscape uses. Upon completion, studentsshould be able to correctly select plants for specific landscape uses. (2001 FA)

ARBORICULTURE PRACTICES

HOR-257 **Arboriculture Practices** **2 (1-3)** **Spring**
Prerequisites: HOR-160[L]
Corequisites:
This course covers the culture and maintenance of trees and shrubs. Topics include fertilization, pruning, approved climbing techniques, pest control, and equipment use and safety. Upon completion, students should be able to properly prune trees and shrubs and perform arboricultural practices. (2013 SU)

FRUIT & VEGETABLE PROD

HOR-142 **Fruit & Vegetable Prod** **2 (1-2)** **Summer**
Prerequisites:
Corequisites:
This course introduces the principles and techniques of growing fruits and field-grown vegetables. Topics include site selection, proper varietal selection, nutritional values, cultural techniques, harvesting and marketing, and insect and disease control. Upon completion, students should be able to demonstrate an understanding of the principles related to the production of selected fruits and vegetables. (1997 SU)

GREENHOUSE OPERATIONS

HOR-134 **Greenhouse Operations** **3 (2-2)** **Spring**
Prerequisites:
Corequisites:
This course covers the principles and procedures involved in the operation and maintenance of greenhouse facilities. Emphasis is placed on the operation of greenhouse systems, including the environmental control, record keeping, scheduling, and production practices. Upon completion, students should be able to demonstrate the ability to operate greenhouse systems and facilities to produce greenhouse crops. (1997 SU)

GREENHOUSE PRODUCTION

HOR-235 **Greenhouse Production** **3 (2-2)** **Fall**
Prerequisites: HOR-134[L]
Corequisites:
This course covers the production of greenhouse crops. Emphasis is placed on product selection and production based on market needs and facility availability, including record keeping. Upon completion, students should be able to select and make production schedules to successfully produce greenhouse crops. (1997 SU)

HOR BUS ENTREPRENEURSHIP

HOR-278 **Hor Bus Entrepreneurship** **3 (3-0)** **Fall**
Prerequisites:
Corequisites:
This course introduces starting and/or managing a horticulture business operation. Emphasis is placed on types of business ownership, legal aspects of licenses, worker safety and facility criteria, and creating inventories, schedules, and financial statements. Upon completion, students should be able to prepare appropriate schedules and financial statements and demonstrate knowledge of legal standards for equipment and personnel.(1997 SU)

HORT PEST MANAGEMENT

HOR-164 **Hort Pest Management** **3 (2-2)** **Summer**
Prerequisites: HOR-160[L]
Corequisites:
This course covers the identification and management of plant pests including insects, diseases, and weeds. Topics include pest identification and beneficial organisms, pesticide application safety and use of least toxic methods of management. Upon completion, students should be able to manage common landscape pests using least toxic methods of control and be prepared to sit for North Carolina Commercial Pesticide Ground Applicators license. (2013 FA)

LANDSCAPE CONSTRUCTION

HOR-114 **Landscape Construction** **3 (2-2)** **Summer**
Prerequisites: MAT-110[L], MAT-121[L], MAT-143[L], MAT-152[L] or MAT-171[L]
Corequisites:
This course introduces the design and fabrication of landscape structures/features. Emphasis is placed on safety, tool identification and use, material selection, construction techniques, and fabrication. Upon completion, students should be able to design and construct common landscape structures/features. (1997 SU)

LANDSCAPE DESIGN I

HOR-112 **Landscape Design I** **3 (2-3)** **Fall**
Prerequisites: HOR-160[L]; MAT-110[L], MAT-121[L], MAT-143[L], MAT-152[L] or MAT-171[L]
Corequisites:
This course covers landscape principles and practices for residential and commercial sites. Emphasis is placed on drafting, site analysis, and common elements of good design, plant material selection, and proper plant utilization (encouraged use of native plants and discouraged use of invasive species). Upon completion, students should be able to read plans and draft a landscape design according to sustainable practices. (2013 FA)

LANDSCAPE DESIGN II

HOR-213 **Landscape Design II** **3 (2-2)** **Spring**
Prerequisites: HOR-112[S]; HOR-160[L]
Corequisites:
This course covers residential and commercial landscape design, cost analysis, and installation. Emphasis is placed on job cost estimates, installation of the landscape design, and maintenance techniques. Upon completion, students should be able to read landscape design blueprints, develop cost estimates, and implement the design. (1997 SU)

LANDSCAPE IRRIGATION

HOR-215 **Landscape Irrigation** **3 (2-2)** **Fall**
Prerequisites:
Corequisites:
This course introduces basic irrigation design, layout, and installation. Topics include site analysis, components of irrigation systems, safety, types of irrigation systems, and installation techniques. Upon completion, students should be able to design and install basic landscape irrigation systems. (1997 SU)

NURSERY PRODUCTION

HOR-225 **Nursery Production** **3 (2-2)** **Spring**
Prerequisites: HOR-168[L]
Corequisites:
This course covers all aspects of nursery crop production. Emphasis is placed on field production and covers soils, nutrition, irrigation, pest control, and harvesting. Upon completion, students should be able to produce a marketable nursery crop. (2009 SP)

PLANT MATERIALS I

HOR-160 Plant Materials I 3 (2-2) Fall
Prerequisites:
Corequisites:
This course covers identification, culture, characteristics, and use of plants in a sustainable landscape. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, and landscape applications. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials, including natives and invasive plants. (2013 FA)

PLANT MATERIALS II

HOR-161 Plant Materials II 3 (2-2) Spring
Prerequisites: HOR-160[L]
Corequisites:
This course provides a supplementary opportunity to cover identification, culture, characteristics, and use of plants in a sustainable landscape, giving students a broader knowledge of available landscape plants for utilization in landscapes and plant production. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, landscape applications and expansion of the plant palette. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials, including natives and invasive plants. (2015 FA)

PLANT PROPAGATION

HOR-168 Plant Propagation 3 (2-2) Fall
Prerequisites:
Corequisites:
This course is a study of sexual and asexual reproduction of plants. Emphasis is placed on seed propagation, grafting, stem and root propagation, micro-propagation, and other propagation techniques. Upon completion, students should be able to successfully propagate ornamental plants. (1997 SU)

SOILS & FERTILIZERS

HOR-166 Soils & Fertilizers 3 (2-2) Spring
Prerequisites:
Corequisites:
This course covers the physical and chemical properties of soils and soil fertility and management. Topics include soil formation; classification; physical, chemical, and biological properties (including microorganisms); testing; and fertilizer application. Upon completion, students should be able to analyze, evaluate, and properly amend soils/media according to sustainable practices. (2013 FA)