HORT - Horticulture & Landscape Des

HORT 105 Introduction to Horticulture: 3 Credits (3 Lec)
Science in the context of horticulture. Learn environmental factors affecting horticulture and current measurement technology. Projects explore global and regional issues, careers, and tools necessary to be a successful horticulturist.

HORT 231 Woody Oramentals: 3 Credits (1 Lec, 4 Lab)
Identification, culture and uses of deciduous and evergreen trees, shrubs and vines commonly used as ornamentals in Montana, and some species utilized outside of Montana. Lab includes extensive plant walks.

HORT 232 Herbaceous Oramentals: 3 Credits (2 Lec, 2 Lab)
PREREQUISITE: BIOC 170IN (may be taken as a corequisite). Identification, characteristics, cultural requirements and ornamental uses of indoor tropical foliage and flowering plants, herbaceous landscape annuals and perennials and flowering bulbs. This is a hybrid course requiring student participation in one lab each week, with all other course information and participation via the web.

HORT 245 Plant Propagation: 3 Credits (2 Lec, 1 Lab)
PREREQUISITE: CHMY 121IN or CHMY 141 and BIOC 170IN or BIOC 160IN. Traditional sexual and asexual reproduction of plants including seed germination, stem and leaf cuttings, grafting, and layering. Includes discussion of the biology and physiology of propagation methods. Lab includes experimentation with the various propagation methods using native plants as model systems.

HORT 291 Special Topics: 1-4 Credits (1 Lec)
PREREQUISITE: None required, but some may be necessary by each offering department. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number. Repeatable up to 12 credits.

HORT 298 Internship: 2-12 Credits (2-12 Other)
PREREQUISITE: Consent of instructor and approval of department head. For Sustainable Foods & Bioenergy Systems students only. An individualized assignment arranged with an agency, business, or other organization to provide guided experience within the field. Repeatable up to 12 credits.

HORT 310 Topics in Horticulture: 3 Credits (2 Lec, 1 Lab)
PREREQUISITE: BIOC 170IN, Quantitative Reasoning Core, and HORT 105. Selected topics in horticulture including turfgrass management, apiculture, fruit production, and irrigation.

HORT 337 Vegetable Production: 3 Credits (3 Lec)
PREREQUISITE: BIOC 110CS or BICO 230. Modern production practices for all major temperate-zone vegetable crops, including crop management, development, storage, and post-harvest physiology. The class will include production of transplants and detailed discussion of several major vegetable crop families, including Solanaceae, Cucurbitaceae, Brassicaceae, Liliaceae, and the Fabaceae.

HORT 340 Site Design Studio I: 4 Credits (1 Lec, 3 Lab)
PREREQUISITE: HORT 331. Focuses on site planning and design of residential, commercial, and mixed-use projects. Explores site design processes including, design concept, development ordinances and project submittals. Introduction to theory and methods of sustainable community planning, such as, transit-oriented development, closed-loop neighborhoods, and eco-neighborhoods.