Ornamental Horticulture Minor

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The Department of Urban Horticulture and Design offers an undergraduate minor in Ornamental Horticulture to all baccalaureate degree students at Farmingdale State College. The field of Ornamental Horticulture is a diverse array of growers, retailers, designers, installers, and maintenance personnel serving public and private gardens, homeowners, golf courses, parks and recreational facilities.

The minor is designed to give the student a basic core of horticultural skills that can be amplified through a series of elective courses. Students who wish to complete this minor must be matriculated in a baccalaureate program at Farmingdale State College and must apply through the Department of Urban Horticulture and Design.

About Academic Minors

Farmingdale State College students are invited to enhance their studies with an "Academic Minor." A minor is a cluster of thematically related courses drawn from one or more departments. In addition to department based minors (e.g. computer programming & info systems), interdisciplinary minors are also available (e.g. legal studies).

Academic minors are approved by the College-Wide Curriculum Committee and the Provost. Students must make application for an academic minor through the department offering the minor in conjunction with the Registrar's Office. Specific course work must be determined in consultation with a faculty member in the department offering the minor. A statement of successful completion of the academic minor will appear on the student's transcript at the time of graduation.

• A minor is considered to be an optional supplement to a student's major program of study.
• Completion of a minor is not a graduation requirement and is subject to the availability of the courses selected. However, if the requirements for a minor are not completed prior to certification of graduation in the major, it will be assumed that the minor has been dropped. Consequently, the student will only be certified for graduation in their primary major.
• Only students in 4 year baccalaureate programs can apply for a minor.
• A minor should consist of 15 to 21 credits, with the exception of the Chemistry and Air Force ROTC minors which require 22 credits.
• At least 12 credits must be in courses at the 200 level or higher.
• At least 9 credits must be residency credits.
• Specific requirements for each minor are determined by the department granting the minor.
• Students must maintain a minimum cumulative GPA of at least 2.0 in their minor. Some minors may require a higher GPA.
• Students are prohibited from declaring a minor in the same discipline as their major (e.g. one cannot combine an applied math minor with an applied math major).

Academic minors may not apply to all curricula.
• Students are permitted to double-count courses.
Students are only permitted to take more than one minor with appropriate written approval of their department chair or curriculum Dean.

Fall 2018- Subject to Revision

Required:

HOR 110 Horticulture I 3
HOR 111 Horticulture II - Growth and Development of Cultivated Plants 3
HOR 112 Soils: The Foundation of Life 3

12 credits must be selected from Horticulture courses at the 200-level or higher

Notes:

The selection of electives should be done in consultation with a full-time member of the Department.

Students must maintain a cumulative GPA of 2.0 in their horticulture courses.

Course Descriptions

**HOR 110 Horticulture I**
Instruction, orientation and field experience in the various phases of horticulture. Each week the explanation and demonstration of a new subject precedes the assignment to duties/ A rounded experience is the objective. Tools, techniques, and standards of workmanship are taught. Corequisite(s): HOR 110L Credits: 3

**HOR 111 Horticulture II - Growth and Development of Cultivated Plants**
The performance of landscape plants is influenced by myriad internal and external factors that may limit growth and survival. By understanding the scientific basis for these variables informed professionals can customize growth conditions to promote optimal yield. This course surveys the physiological processes that mitigate plant growth, senescence, dormancy, flowering and propagation. Lab exercises offer an interactive opportunity to investigate phenomena such as dormancy and photoperiod through experimentation, data collection and interpretation. The development of practical horticultural skills is also stressed. Prerequisite(s): HOR 110 Corequisite(s): HOR111L Credits: 3

**HOR 112 Soils: The Foundation of Life**
Soils serve as the foundation for production in natural ecosystems and human systems. This exploration of soils addresses their geologic formation and properties (physical, chemical and biological). Special attention is given to the focused manipulation of soils to achieve optimum plant performance in landscape situations. Through classroom lecture and investigative laboratory exercises students will develop an appreciation for soil as a dynamic living system with broad implications for agriculture and general society. Corequisite(s): HOR 112L Credits: 3

Admission to Farmingdale State College - State University of New York is based on the qualifications of the applicant without regard to age, sex, marital or military status, race, color, creed, religion, national origin, disability or sexual orientation.