<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Grade Mode</th>
<th>Contact Hours</th>
<th>Schedule Type</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>HORT 10195</td>
<td>SPECIAL TOPICS IN HORTICULTURE</td>
<td>1-3</td>
<td>Satisfactory/Unsatisfactory-IP</td>
<td>Lecture</td>
<td>Lecture</td>
<td>BSCI 16001, HORT 16001</td>
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<td>HORT 16001</td>
<td>INTRODUCTION TO HORTICULTURE</td>
<td>1</td>
<td>Standard Letter</td>
<td>Lecture</td>
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<tr>
<td>HORT 16020</td>
<td>PLANT MATERIALS I</td>
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<td>Lecture</td>
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<td>HORT 16021</td>
<td>WHOLESALE FLORICULTURE</td>
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<td>HORT 16022</td>
<td>GREENHOUSE STRATA</td>
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<td>HORT 26001</td>
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<td>Standard Letter</td>
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<td>HORT 26001</td>
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<td>Satisfactory/Unsatisfactory-IP</td>
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<td>HORT 26010</td>
<td>ARBORICULTURE</td>
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<td>Standard Letter</td>
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<tr>
<td>HORT 26010</td>
<td>COOPERATIVE WORK EXPERIENCE IN TREE CARE</td>
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<td>HORT 26010</td>
<td>URBAN FORESTRY</td>
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<td>HORT 26010</td>
<td>LANDSCAPE CONSTRUCTION</td>
<td>3</td>
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*Note: All courses are offered at the Geauga and Salem campuses.*
HORT 26020  LANDSCAPE MANAGEMENT 3 Credit Hours
A detailed discussion and practice of managing trees, shrubs and flowers within the landscape. Additional concepts such as the types of equipment used in the "green industry," marketing, writing specifications, bidding projects and personnel management.
Prerequisite: BSCI 16001 and HORT 16001.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

HORT 26021  COOPERATIVE WORK EXPERIENCE IN LANDSCAPE MANAGEMENT 3 Credit Hours
(Repeatable for credit) Cooperative work program through which the skills necessary to perform professionally in this occupation will be acquired. This course offered only at the Salem Campus. Requires a minimum of 30 hours per week of work experience. Not more than 9 semester hours in this or a combination of other work experience will be allowed.
Corequisite: HORT 26020.
Schedule Type: Field Experience
Contact Hours: 3 lecture
Grade Mode: Satisfactory/Unsatisfactory-IP

HORT 26030  TURF GRASS MANAGEMENT 3 Credit Hours
Basic principles of turf management. Covers turf equipment and the safe use of equipment commonly found in the turf industry. Lecture two hours weekly; lab three hours weekly; course offered only at the Salem campus.
Prerequisite: BSCI 16001 and HORT 16001.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

HORT 26031  COOPERATIVE WORK EXPERIENCE IN TURF GRASS MANAGEMENT 3 Credit Hours
(Repeatable for credit) Cooperative work program through which the skills necessary to perform professionally in this occupation will be acquired. This course offered only at the Salem Campus. Requires a minimum of 30 hours per week of work experience. Not more than 9 semester hours in this or a combination of other work experience classes will be allowed.
Corequisite: HORT 26030.
Schedule Type: Field Experience
Contact Hours: 3 lecture
Grade Mode: Satisfactory/Unsatisfactory-IP

HORT 26032  GOLF COURSE MANAGEMENT 3 Credit Hours
The golf course environment as it relates to turf grass maintenance and pest/disease management. The construction and management of greens, tees, water and bunker management practices, turf aeration issues, topdressing and administrative concerns.
Prerequisite: HORT 16001 and HORT 26031 and BSCI 16001.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

HORT 26046  LANDSCAPE DESIGN I 3 Credit Hours
An introduction to landscape appreciation and history, the landscape industry and elements of the landscape design process. Students will assess proper plant placement and uses, develop graphic communication skills and present a project. Field trips and project site work as required.
Prerequisite: HORT 16001 and BSCI 16001 and BSCI 26003.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 4 lab
Grade Mode: Standard Letter

HORT 30195  SPECIAL TOPICS IN HORTICULTURE 3 Credit Hours
(Repeatable for credit) Analysis of significant and current topics in horticulture not covered in regular classes.
Prerequisite: None.
Schedule Type: Laboratory, Lecture, Combined Lecture and Lab
Contact Hours: 2 lecture, 2 lab
Grade Mode: Standard Letter

HORT 36014  PLANT PROPAGATION AND GREENHOUSE PRODUCTION 3 Credit Hours
Asexual/vegetative propagation including anatomical and physical concepts. Techniques covered include cuttings, budding, grafting, layering, dividing and micropropagation. Plant propagation by seeding and plugs are promoted along with crop production. Students provide an annual production schedule. Lecture two hours weekly; lab three hours weekly.
Prerequisite: HORT 16001 and BSCI 16001.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

HORT 36018  LANDSCAPE CONSTRUCTION II 3 Credit Hours
Advanced landscape construction techniques involved in landscape contracting with an emphasis on the overall layout and planning of a landscape project. Students master and research product documentation, layout plans, written specifications and detailed construction drawings as they pertain to built landscape environments. Specific field site work with real world applications. Lecture two hours weekly; lab 3 hours weekly.
Prerequisite: HORT 26018; and junior or senior standing.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

HORT 36025  PROFESSIONAL PRACTICE IN HORTICULTURE (WIC) 3 Credit Hours
Investigation into owning and operating a green industry company including customer relations, wholesale and retail marketing, project bidding, potential profit and loss margins, communication requirements, and overall services to public and private clientele.
Prerequisite: HORT 26001 and 26016 and 26018.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Writing Intensive Course

HORT 36034  SPORTS TURF MANAGEMENT 3 Credit Hours
Identification of grass plant species; culture and morphology; turf ecology with practical information on turf establishment and cultural practices. Covers issues of design, renovation, and maintenance of sports grounds and facilities. Class requires 20 hours service learning component.
Prerequisite: HORT 26030; and junior or senior standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
HORT 36046  LANDSCAPE DESIGN II  3 Credit Hours
Advanced landscape design looking at overall landscape planning, including site and planting design, site amenities, irrigation design and client needs. Special attention to communication formats such as color rendering and graphics, as well as to overall presentation. Some design modeling and graphic sketching are included.
Prerequisite: HORT 26012 or 26032 or 26046; and junior or senior standing.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 3 lab
Grade Mode: Standard Letter

HORT 36092  INTERNSHIP IN HORTICULTURE (ELR)  1-4 Credit Hours
(Repeatable for credit) Internship experience in an advanced field of study within the horticulture/green industry, building on the student’s understanding of science-based fundamentals. Internship requires a minimum of 210 working hours with an approved public organization or private green industry firm, and 2 hours per week consultation on independent research as approved and supervised by the academic program director. Work includes supporting documentation and written reports as deemed appropriate given the subject studied.
Prerequisite: Special approval.
Schedule Type: Practicum or Internship
Contact Hours: 3-12 other
Grade Mode: Standard Letter
Attributes: Experiential Learning Requirement

HORT 41096  INDIVIDUAL INVESTIGATION IN HORTICULTURE  1-3 Credit Hours
(Repeatable for credit) Research under the direction of a horticulture faculty/program director mentor. Investigation of specific horticulture topics that build upon previous concentration areas of study.
Prerequisite: junior or senior standing.
Schedule Type: Individual Investigation
Contact Hours: 1-3 other
Grade Mode: Standard Letter-IP

HORT 46014  GARDEN CENTER AND NURSERY PRODUCTION MANAGEMENT  3 Credit Hours
Survey of plant production of container, bare-root, balled-in-burlap plant materials in a nursery setting. Exploration of physiological principles involved, including planting, maturity dates for harvest, shipping, garden center activities and wholesale and retail marketing of stock.
Prerequisite: BSCI 26002 and BMRT 11000; and junior or senior standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

HORT 46092  PRACTICUM IN HORTICULTURE (ELR)  3 Credit Hours
(Repeatable for credit) An in-depth individual project, combining field experiences with original research within a green industry niche. Area of interest supports the student’s educational goals given their intended concentration of past class work.
Prerequisite: HORT 36092; and junior or senior standing.
Schedule Type: Practicum or Internship
Contact Hours: 16 other
Grade Mode: Standard Letter-IP
Attributes: Experiential Learning Requirement