# Horticulture

Crop Sciences  
Head of Department: Adam Davis  
Department Address: AW-101 Turner Hall, 1102 South Goodwin Avenue, Urbana  
Phone: 333-3420  
www.cropsciences.illinois.edu/  
Subjects associated with this department include: Crop Sciences (CPSC), Horticulture (HORT), and Plant Pathology (PLPA).

## HORT 100  Introduction to Horticulture  credit: 3 hours.

Basic principles of plant growth and development as they apply to the production, marketing, and utilization of fruits, vegetables, and ornamental plants. Credit is not given for both HORT 100 and HORT 106.

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<th>CRN</th>
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<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>32585</td>
<td>Laboratory</td>
<td>AB1</td>
<td>03:00 PM - 04:50 PM</td>
<td>M</td>
<td>1125 - Plant Sciences Laboratory</td>
<td>Harper, E</td>
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<tr>
<td>32543</td>
<td>Laboratory</td>
<td>AB2</td>
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<tr>
<td>32590</td>
<td>Lecture</td>
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<td>02:00 PM - 02:50 PM</td>
<td>MW</td>
<td>W109 - Turner Hall</td>
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</table>

## HORT 105  Vegetable Gardening  credit: 3 hours.

The science and art of growing vegetables and the connection between gardening and food. Topics include nutrient and pest management, history, folklore, growing requirements, and quality characteristics of vegetables. Lecture and laboratory. Additional fees may apply. See Class Schedule.

Students must register for one lab and one lecture section.

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<tr>
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<tr>
<td>34270</td>
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<td>09:00 AM - 10:50 AM</td>
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<td>R</td>
<td>M5 - Turner Hall</td>
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</table>
This lab section will meet in W-9 Turner Hall August 30-October 18 and M-5 Turner Hall October 25-December 6.

Not intended for Horticultural Food Systems concentration(s).
ACES Course Fees $15.00 Flat Fee.

**HORT 106  The Sustainable Home Garden**  credit: 3 hours.
Create inviting and sustainable indoor and outdoor living spaces with plants, whether your landscape is several acres or a few containers on an urban balcony. This blended-format class meets 1 hour per week for lecture and discussion with additional instruction presented through independent learning activities including virtual field trips, on-line lectures, and instructional videos. Learn the fundamentals of environmentally sound resource use when designing with and maintaining flowering, fruit and vegetable plants, lawns, trees and shrubs around your home. Become a savvy horticultural consumer and develop a healthy lifestyle that supports positive physical and mental well-being by including greenspace activities in your daily life. Credit is not given for both HORT 106 and HORT 100.

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<tr>
<td>30924</td>
<td>Lecture</td>
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<td>04:00 PM - 04:50 PM</td>
<td>M</td>
<td>150 - Animal Sciences Laboratory</td>
<td>Taylor, A</td>
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<td></td>
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Restricted to NDEG: Horticulture Online-UIUC.

**HORT 180  Medicinal Plants and Herbology**  credit: 3 hours.
The use of cultivated and wild plants in medicines and health products according to Eastern and Western medical traditions. Consideration of herbal medicine use from ancient times to the present, important medicinal chemicals produced by plants, and the evaluation of plant chemical products as potential human medicines. Same as CPSC 180.

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Restricted to NDEG: Horticulture Online-UIUC.
This course is restricted to the Online Horticulture Certificate Program. This is not open to on-campus students.

**HORT 226  Introduction to Weed Science**  credit: 3 hours.
Same as CPSC 226. See CPSC 226.
HORT 240  **Plant Propagation**  credit: 3 hours.
Examines theories and methods employed in propagation of plants, emphasizing anatomical, physiological, and ecological principles involved in sexual propagation (seeds) and asexual propagation (division, cuttings, budding, grafting, tissue culture, etc.) Prerequisite: IB 103.

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Restricted to Horticulture or Horticultural Food Systems major(s) or minor(s). Restricted to students with Senior class standing. This section is restricted to on-campus students only.

HORT 293  **Off-Campus Horticulture Internship**  credit: 1 TO 5 hours.
Supervised, off-campus experience in a field directly pertaining to a subject matter in horticulture. Approved for S/U grading only. May be repeated in separate terms. Independent Study courses are limited to 12 hours total applying to a degree in ACES. For registration in this course students should contact the Department Undergraduate Program Coordinator. Prerequisite: Sophomore standing, cumulative GPA of 2.0 or above at the time the internship is arranged, and consent of instructor.

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Instructor Approval Required

HORT 294  **On-Campus Horticulture Internship**  credit: 1 TO 5 hours.
Supervised, on-campus learning experience with faculty engaged in research. Approved for S/U grading only. May be repeated in separate terms. Independent Study courses are limited to 12 hours total applying to a degree in ACES. For registration in this course students should contact the Department Undergraduate Program Coordinator. Prerequisite: Sophomore standing, 2.0 GPA, consent of the advisor, and consent of the Department Undergraduate Program Coordinator.
HORT 295  Undergrad Research or Thesis  credit: 1 TO 4 hours.
Individual research, special problems, thesis, development and/or design work under the supervision of an appropriate member of the faculty. May be repeated. Independent Study courses are limited to 12 hours total applying to a degree in ACES. Prerequisite: Cumulative GPA of 2.5 or above at the time the activity is arranged and consent of instructor.

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Instructor Approval Required

HORT 344  Planting for Biodiversity and Aesthetics  credit: 3 hours.
As the demand for food increases, plants in ornamental landscapes will need to provide not only beauty but also species biodiversity critical for supporting sustainable food production. Course emphasizes species identification (predominantly herbaceous perennials), management, and planting design principles. Designing for multiple contexts, such as residential and community gardens, and large scale production sites, to provide multiple ecosystem services, especially supporting human aesthetic preferences, and habitat for pollinators. Prerequisite: IB 103.

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<td>69932</td>
<td>Laboratory</td>
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<td>11:00 AM - 12:50 PM</td>
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<td></td>
<td>Online</td>
<td>A</td>
<td>ARRANGED -</td>
<td>-</td>
<td>-</td>
<td>Taylor, A</td>
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HORT 360  Vegetable Crop Production  credit: 3 hours.
Instruction on the commercial production of vegetable crops. The first part of the class focuses on broad issues important to all crops including methods of vegetable production, basic soil and nutritional management, irrigation, and weed, insect, and disease management. Both organic and conventional production are discussed with a focus on sustainability. Basic farm and business management topics, including postharvest handling, food safety, crop and farm budgets, business structures, marketing, insurance, and regulations are also discussed. The second part of the class focuses on specific crops, emphasizing their origin, production, growth and development, insects, and diseases as well as harvesting and postharvest handling. Prerequisite: HORT 100 or equivalent.

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<tbody>
<tr>
<td>65306</td>
<td>Laboratory</td>
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<td>03:00 PM - 04:50 PM</td>
<td>T</td>
<td>1103 - Plant Sciences Laboratory</td>
<td>Branham, B</td>
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<td></td>
<td>Lecture</td>
<td>A</td>
<td>02:00 PM - 02:50 PM</td>
<td>MW</td>
<td>1103 - Plant Sciences Laboratory</td>
<td>Branham, B</td>
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</table>

HORT 362  Tree Fruit Production  credit: 2 hours.
Examines biological principles and cultural practices involved in the growth and production of apple, pear, peach, cherry, plum, apricot, almond, and miscellaneous citrus and nut crops. Offered every fall semester. Prerequisite: HORT 100 or IB 103.
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<tr>
<td>65595</td>
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<td>A</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>1303 - Plant Sciences Laboratory</td>
<td>Kling, G</td>
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**HORT 396  Ug Honors Research or Thesis  credit: 1 TO 4 hours.**
Individual research, special problems, thesis, development and/or design work under the direction of the Honors advisor. May be repeated. Independent Study courses are limited to 12 hours total applying to a degree in ACES. Prerequisite: Junior standing, admission to the ACES Honors Program, and consent of instructor.

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<td>40112</td>
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Instructor Approval Required

**HORT 435  Urban Food Production  credit: 3 hours.**
Explore opportunities and challenges for maximizing the productivity and sustainability of urban food production systems, considering agricultural, environmental, energy, social, and economic issues. Students will examine the science and practice of urban agriculture through scientific and popular literature, case studies, online discussion, and service-learning opportunities. Production systems covered will include both outdoor (e.g., vacant lot urban farms) and controlled environment (e.g., hydroponics and aquaponics) agriculture. 3 undergraduate hours. 3 graduate hours. Prerequisite: HORT 100 or CPSC 112 or equivalent introductory course in plant science.

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<tr>
<td>70016</td>
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Restricted to MS:Crop Sciences -UIUC, MS: FSHN (Online) -UIUC, MS: Agricultural Educ -UIUC, MS: Nat Res Env Sci -UIUC, or NDEG:Grad Nondegree-CE-UIUC.

Online scheduled class sessions require each student have high speed internet access and either a headset with microphone or an external microphone and speakers so they may participate in the class discussions. This section is restricted to online programs only.

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<tr>
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<tbody>
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