



SYLLABUS

HCS 3200

Introduction to Horticulture (3 credits)
Autumn 2019



COURSE OVERVIEW

Course Instructor

Dr. Wendy Klooster (Dr. K)

klooster.2@osu.edu

614-688-2637 (phone calls *not* ideal; email greatly preferred)

217B Howlett Hall

Office hours: Before/ after class or by appointment

Meeting Times and Locations

Lecture: Monday and Wednesday 1:50-2:45 pm in 116 Howlett Hall

Lab: Friday 10:05 am -12:05 pm in 117 Howlett Greenhouse (**or as scheduled in syllabus**)

Course description

An introduction to the principles and practices of production and landscape horticultural science and the horticulture industry in Ohio and the USA. Emphasis in on the diversity of crops, production systems, diversity of the horticulture industry, and an introduction for students to possible careers in horticulture in Ohio and the USA.

Course learning outcomes

By the end of this course, students should successfully be able to:

1. Appreciate the art and science of horticulture and the relationship of horticulture to the environment and humans.
2. Define basic terminology associated with the field of horticulture.
3. Describe how environmental factors affect crop production and how they are regulated in field and controlled production systems.
4. Understand the diversity of horticultural crops, production systems, and applications.
5. Explore careers in horticulture.

COURSE MATERIALS AND FORMAT

Pre-requisites

None

Textbooks

None required, but reading materials will be provided via CARMEN (carmen.osu.edu) when appropriate

Course format

This course includes guest lectures, demonstrations, hands-on activities, and visits to locations on the OSU Columbus campus. Some class periods (lecture and/or lab sessions) will require students to complete assignments independently without a formal meeting.

Please note: Some days are marked on the syllabus as TBD (to be determined). This is partly to accommodate some guest speakers who are not yet able to confirm an exact date and partly to allow for flexibility with weather-dependent activities. These are not free days and they will count towards final attendance (unless stated otherwise).

Course technology

For help with your password, university e-mail, Carmen, or any other technology issues, questions, or requests, contact the OSU IT Service Desk. Standard support hours are available at <https://ocio.osu.edu/help/hours>, and support for urgent issues is available 24x7.

- **Self-Service and Chat support:** <http://ocio.osu.edu/selfservice>
- **Phone:** 614-688-HELP (4357)
- **Email:** 8help@osu.edu
- **TDD:** 614-688-8743

REQUIRED SOFTWARE

- **Microsoft Office 365:** All Ohio State students are now eligible for free Microsoft Office 365 ProPlus through Microsoft's Student Advantage program. Full instructions for downloading and installation can be found <https://ocio.osu.edu/kb04733>.

GRADING AND FACULTY RESPONSE

How your grade is calculated

The class will be graded using the OSU Standard format (see below). Students' attendance and participation is expected. Attendance is worth 20% of your final grade. You will be required to sign-in to every class meeting to receive credit for attending that day; arriving late or inattentive/ disruptive behavior will result in point deductions.

Instructions for lab/ class assignments will be given prior to each assignment, but will generally involve collecting data or information and writing a report to submit on Carmen.

The term project will be conducted throughout the semester, culminating in a written report. This will involve collecting and analyzing data for a local community garden. More details will be provided in the first week of class.

The midterm and final exams will be cumulative and will cover the information presented during each lecture and lab period. A variety of question types will be used.

| ASSIGNMENT CATEGORY | POINTS |
|------------------------|------------|
| Attendance | 100 |
| Lab/ class assignments | 100 |
| Lab/ project reports | 100 |
| Midterm | 100 |
| Final | 100 |
| Total | 500 |

Late assignments

Late submissions will be marked down 10% per day. Please refer to Carmen for due dates.

Grading scale

| | | |
|--------------|-------------|--------------|
| 93–100: A | 90–92.9: A- | |
| 87–89.9: B+ | 83–86.9: B | 80–82.9: B- |
| 77–79.9: C+ | 73–76.9: C | 70 –72.9: C- |
| 67 –69.9: D+ | 60 –66.9: D | < 60: E |

COURSE SCHEDULE (may be revised)

| Week | Date | Topic | Speaker |
|------|----------------|---|---|
| 1 | Wed., Aug. 21 | Intro: how to succeed in this class | Dr. K |
| | Fri., Aug. 23 | Getting to know HCS facilities (GH, labs, etc.) | Dr. K |
| 2 | Mon., Aug. 26 | Why basic science matters | Dr. K |
| | Wed., Aug. 28 | The power of gardens for health care | Prof. Grassbaugh |
| | Fri., Aug. 30 | Ginkgo citizen science project | Dr. K |
| 3 | Mon., Sept. 2 | No Class – Labor Day | N/A |
| | Wed., Sept. 4 | Intro to community gardens and Linden area | Dr. Tim McDermott, OSUExt |
| | Fri., Sept. 6 | Data collection at Linden garden site ** Meet at 1883 Agler Rd Site | Dr. Tim, Dr. K |
| 4 | Mon., Sept. 9 | Begin data analyses | Dr. K, students |
| | Wed., Sept. 11 | Public gardens | Sean Barnes, Chadwick |
| | Fri., Sept. 13 | Let's go for a plant walk ** Meet in HGG 117 and we'll go from there | Dr. Dave Gardner, HCS |
| 5 | Mon., Sept. 16 | Plant industry trends | Dr. K, students |
| | Wed., Sept. 18 | Chadwick arboretum and gardens | Director Maloney, HCS |
| | Fri., Sept. 20 | Tour of the Waterman Farm (Hayride??) ** Meet at Waterman Farm Headquarters | Anna Marconi, Bekah Meller, Jeni Riusch |
| 6 | Mon., Sept. 23 | The history of landscape horticulture | Dr. Pablo Jourdan, HCS |
| | Wed., Sept. 25 | Plant propagation | Dr. Pablo Jourdan, HCS |
| | Fri. Sept. 27 | LAB: plant propagation & germplasm center | Dr. Pablo Jourdan, HCS |
| 7 | Mon., Sept. 30 | Intro to beekeeping and managed pollination | Dr. Reed Johnson, ENTMLGY |
| | Wed., Oct. 2 | Organic farming and gardening | Dr. K |
| | Fri., Oct. 4 | Tour of OSU Student Organic Farm ** Meet at Waterman Farm Headquarters | Dr. Chris Ratcliff |
| 8 | Mon., Oct. 7 | Midterm Exam | Dr. K |
| | Wed., Oct. 9 | Grad school requirements for HCS | Regina Vann-Hickok, HCS |
| | Fri., Oct. 11 | Autumn break | N/A |
| 9 | Mon., Oct. 14 | Work on Linden site project... | Dr. K, students |
| | Wed., Oct. 16 | <i>TBD (Re-visit Linden site??)</i> | <i>TBD</i> |
| | Fri., Oct. 18 | Hemp/ cannabis production in Ohio | Dr. Craig Schluttenhofer |
| 10 | Mon., Oct. 21 | Community gardens (production, mgmt, etc.) | Dr. Mike Hogan, OSU Ext. |
| | Wed., Oct. 23 | Seed testing | Andy Evans, Reg. Seed Tech. |
| | Fri., Oct. 25 | LAB: standard germination tests for seed | Andy Evans, HCS |
| 11 | Mon., Oct. 28 | Agroecology | Dr. Kristin Mercer, HCS |
| | Wed., Oct. 30 | The Ohio vegetable industry | Prof. Grassbaugh |
| | Fri., Nov. 1 | LAB: read out seed tests from Oct. 25 ** Lab reports due to Carmen by Fri., Nov. 8 | Andy Evans, HCS |
| 12 | Mon., Nov. 4 | Vegetable production in GH/ controlled environ. | Dr. Chieri Kubota, HCS |
| | Wed., Nov. 6 | Vegetable production in high tunnels | Dr. Matt Kleinhenz, HCS |
| | Fri., Nov. 8 | Tour of OSU Processing Food Pilot Plant | Matt Papic, Pilot Plant Mgr. |

COURSE SCHEDULE (continued; may be revised)

| Week | Date | Topic | Speaker |
|--------------|---------------|---|------------------------|
| 13 | Mon., Nov. 11 | No Class – Veterans Day Observed | N/A |
| | Wed., Nov. 13 | Current issues in horticulture | Dr. K, students |
| | Fri., Nov. 15 | Global horticulture class discussion | Guest panel (TBD) |
| 14 | Mon., Nov. 18 | Linden report wrap-up | Dr. K, students |
| | Wed., Nov. 20 | Current status/ future outlook for Ohio fruit | Dr. Gary Gao, OSU Ext. |
| | Fri., Nov. 22 | LAB: Evaluation of apple fruit quality | Dr. Joe Scheerens, HCS |
| 15 | Mon., Nov. 25 | Carmen Video Assignment (no formal class mtg) ** Responses due to Carmen by Mon., Dec. 2 | N/A |
| | Wed., Nov. 27 | No Class – Thanksgiving Break | N/A |
| | Fri., Nov. 29 | No Class – Thanksgiving Break | N/A |
| 16 | Mon., Dec. 2 | Review for Final Exam | Dr. K, students |
| | Wed., Dec. 4 | PAX Poinsettia Sale!! | Dr. K, students |
| FINAL | Wed., Dec. 11 | Final Exam from 2:00 – 3:45 pm | N/A |

Faculty feedback and response time

We are providing the following information to give you an idea of our intended availability throughout the course. (Remember that you can call **614-688-HELP** at any time if you have a technical problem.)

- **Grading and feedback:** For course assignments and exams, you can generally expect feedback within **7 days**.

E-mail: We will reply to e-mails within 24 hours on school days.

STUDENT CONDUCT AND OTHER POLICIES

Cell phones and laptops

Please show respect to the instructors and guest speakers by giving them your full attention; this includes turning off and putting away all cell phones during lecture and lab classes. If you have an emergency and must leave them turned on, please set them on vibrate. Please **no text messaging or social media during class time.**

Laptops may be used for class-related work, but if the instructors notice off-target or distracting behavior, you will be asked to put away your laptop.

Code of conduct

Courtesy and respect for others will be given by all participants in HCS 2305, including instructors and guests, in the class at all times. An environment that fosters free, non-confrontational expression of ideas will be maintained. Students are trusted to act in good faith in all class assignments. If we personally determine that students have breached that trust, we will report this through appropriate channels to the University Committee on Academic Misconduct. The OSU Student Handbook and Faculty Rule 3335-5-487 thoroughly covers the subject of academic misconduct and its treatment, if students require further information. Academic misconduct will not be tolerated.

Academic integrity policy

- **Exams:** You must complete the midterm and final exams yourself, without any external help or communication.
- **Written assignments:** Your written assignments should be your own original work; plagiarism or ghost-authorship will not be tolerated. You are encouraged to ask a trusted person to proofread your assignments before you turn them in--but no one else should revise or rewrite your work.
- **Reusing past work:** In general, you are prohibited in university courses from turning in work from a past class to your current class, even if you modify it. If you want to build on past research or revisit a topic you've explored in previous courses, please discuss the situation with the instructors.
- **Falsifying research or results:** All research you will conduct in this course is intended to be a learning experience; you should never feel tempted to make your results look more successful than it was.
- **Collaboration and informal peer-review:** The course may include opportunities for formal collaboration with your classmates. While study groups and peer-review of written projects is encouraged, remember that you must each complete your own assignments. If you're unsure about a particular situation, please feel free to ask ahead of time.

OHIO STATE'S ACADEMIC INTEGRITY POLICY

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the University's *Code of Student Conduct*, and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the University's *Code of Student Conduct* and this syllabus may constitute "Academic Misconduct."

The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the University, or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University's *Code of Student Conduct* is never considered an "excuse" for academic misconduct, so I recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct.

If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University's *Code of Student Conduct* (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- The Committee on Academic Misconduct web pages ([COAM Home](#))
- *Ten Suggestions for Preserving Academic Integrity* ([Ten Suggestions](#))
- *Eight Cardinal Rules of Academic Integrity* (www.northwestern.edu/uacc/8cards.htm)

Copyright disclaimer

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

Statement on title IX

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at titleix@osu.edu

Your mental health: Please take care of yourself!!

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing.

If you are or someone you know is suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614--292--5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614-292-5766.

If you are thinking of harming yourself or need a safe, non-judgmental place to talk, or if you are worried about someone else and need advice about what to do, 24 hour emergency help is also available through the Suicide Prevention Hotline (Columbus: 614-221-5445 / National: 800-273-8255); or text (4hope to 741741); or at suicidepreventionlifeline.org

ACCESSIBILITY ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Requesting accommodations

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let us know immediately so that we can privately discuss options. To establish reasonable accommodations, we may request that you register with Student Life Disability Services. After registration, make arrangements with us as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Accessibility of course technology

This online course requires use of Carmen (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- [Carmen \(Canvas\) accessibility](#)
- Streaming audio and video
- Synchronous course tools