

Reedley College  
Agriculture & Natural Resources Department  
Fall 2020 Semester

Course Syllabus

**Course Title:** EH 30-57640: Principles of Environmental Horticulture  
**Lecture:** 36 hours (online)  
**Laboratory:** 5:30-7:45 p.m. Monday LSH 1  
**Units:** 3

**Instructor:** Steve Gambрил

**Course Communication Policy**

For the quickest response, email me at: [steven.gambрил@reedleycollege.edu](mailto:steven.gambрил@reedleycollege.edu)  
I will try to respond within 24 hours.  
(NOTE: Regular Business Hours are Monday through Friday, 9am - 5pm)

Please call or text: **(559) 779-9037**. Make sure you clearly state your full name, course and any other pertinent information.

Weekly office hour via teleconference will be available and posted in Canvas 'Announcements'.

**Required Text:** Practical Horticulture, 7<sup>th</sup> Edition, Rice, Laura W. and Rice, Robert P. Jr.

**Course Description:** This is a general course in environmental horticulture with emphasis on nursery operations, landscaping, turf management, and floral industries. Topics include basic botany, cultural practices, propagation, structures and layout, pest management, planting, container gardening and houseplants, floral design, plant identification, turfgrass installation and care, and survey of career opportunities.

**Basic Skills Advisories:** Eligibility for ENGL 125, 126 and Mathematics 101.

**Subject Prerequisites:** None

**Course Objectives**

In the process of completing this course, students will

- A) Identify various horticultural occupations and their employment requirements
- B) Identify and safely use common tools and equipment
- C) List and describe the major structures of plants and their functions
- D) Explain the requirements of plant growth
- E) Determine watering needs, measure, mix and apply fertilizers
- F) Identify the various types of horticultural structures
- G) Describe the basic operations of various environmental horticulture businesses
- H) Explain plant identification and nomenclature
- I) Describe common turf and landscape practices

## Course Outcomes

Upon completion of this course, students will be able to:

- A) Name and explain how the major markets of environmental horticulture industry
- B) Formulate soils and container media
- C) Propagate plants by sexual and asexual methods
- D) Identify the type of pest and disease damage common in horticulture crops
- E) Plant and care for horticultural crops
- F) Create a basic floral design or landscape design

## Required Equipment for Laboratory:

Work/Lab Clothing    Proper Footwear (close toed shoes)  
Pen or Pencil        Paper/notebook  
Gloves                Paper/notebook  
Safety Glasses (used occasionally)

## Attendance and Drop Policy

This will be a hybrid course that will meet for laboratory every Monday from 5:30pm to 7:45pm. All other meetings will take place virtually during the scheduled Wednesday class time.

Attendance will be taken on a weekly basis. Completion of weekly labs and assignments will count as the student being “present”. All assignments must be completed each week by Sunday at 11:59 pm thru Canvas.

Students will be dropped from this course as a “no-show” if the initial introduction assignment is not submitted on time, (typically by the end of Week 1).

If you decide to drop the course at any time throughout the semester, it is your responsibility to make the drop official in the Admissions and Records office or else possibly receive a failing grade.

## Late Work Policy

All assignments and lab reports are due by Sunday 11:59 pm thru Canvas.

You can turn in assignments up to one week late but will receive a 25% grade reduction. An assignment submitted more than one week late will not receive any credit unless approved from the instructor.

**Make-up Work:** Exams and labs can be made up only with an accepted absence (Please contact me by e-mail in advance); however, weekly Plant ID quizzes cannot.

**Exams:** Exams will be based on lectures, laboratory activities, class discussions and text readings as assigned and will be composed of multiple choice and short answer questions.

**Grading:** Your grade will depend on your performance in the following:

Assignments and Exams	50 %
Lab Work	40 %
Quizzes	10 %

**Grading Scale:** A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = 59% and below

**Final Exam:** The final exam will be **Wednesday, December 9, 2020** on Canvas (time TBD)

**Canvas Postings:** Course materials and announcements will be posted to Canvas through the semester. It is your responsibility to check Canvas frequently.

**Course Schedule:** The lecture schedule and laboratories are subject to change in the event of extenuating circumstances. If you are absent from laboratory, it is your responsibility to obtain and learn the material presented and to check on announcements when absent. Required text readings will be assigned as the course progresses. Field trips will not be scheduled this semester, however I may post virtual field trips on Canvas.

<b>Week:</b>	<b>Scheduled Lecture Topics:</b>	<b>Textbook Readings:</b>
1	The Ornamental Horticulture Industry	Chapter 1
2	Botanical Nomenclature	Chapter 2
3 & 4	Plant Structures and Functions	Chapter 3 & 4
5 & 6	Plant Propagation	Chapter 5
7	Soils and Container Media	Chapter 6
8	Plants in the Landscape	Chapter 9, 10 & 11
9	Horticultural Structures	Chapter 20
10	Irrigation and Fertilizing	Chapter 16
11 & 12	Pest and Disease Damage Identification	Chapter 7 & 18
13 & 14	Landscape Design	Chapter 12
15	Turf Management	Chapter 14
16	Basic Floral Design	Chapter 19
17	Presentations	

**Scheduled Laboratory Topics:**

Greenhouse and Nursery Facilities  
Plant Identification  
Sexual Propagation  
Types of Soils  
Arboretum Park  
Tissue Culture  
Cutting Propagation  
Pest Control/Fertilizers  
Nursery Management & Inventories  
Garden Design and Establishment  
Garden/Turf Irrigation Systems  
Transplanting  
Floral Design  
Plant Report and Presentation

**Behavioral Standards:**

All students are expected to act in a mature, responsible manner that respects the rights of all other students, the instructor, and any guest presenters that may participate in the class. All cell phones and other electronic gadgets that may cause distraction are to be turned “off” during lecture and lab sessions.

**Cheating & Plagiarism:**

In keeping with the philosophy that students are entitled to the best education available, and in compliance with Board Policy 5410, each student is expected to exert an entirely honest effort toward attaining an education. Violations of this policy will result in disqualification for the course.

**Accommodation Statement:**

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

**NOTE:** The drop deadline is **October 9, 2020**, after this date student must receive a grade.

***Important Dates***

August 11 Class Begins

August 30 Last day to drop for a refund or avoid a “W”

September 7 Labor Day, no school

September 11 Last day to change class to/from Pass/No-Pass grading basis

**September 16 Exam #1 (6 weeks) Canvas**

October 9 Last day to drop class

**October 28 Exam #2 (12 weeks) Canvas**

November 26-27 Thanksgiving Holiday, No school

November 30 Alternative Assignment. No class meeting

**December 7 Presentations**

December 9 **Final Exam Canvas**

December 11 End Semester