

Reedley College  
Agriculture & Natural Resources Department  
Fall 2011 Semester

Course Syllabus

<b>Course Title:</b>	EH 30: Principles of Environmental Horticulture	<b>CSN:</b> 50684
<b>Lecture:</b>	9:00-9:50 a.m. MW	LSH 1
<b>Laboratory:</b>	9:00-11:50 a.m. F	LSH 1

**Units:** 3

**Instructor:** George Moreno

**Phone:** 559-318-7411

**E-Mail:** George.moreno@reedleycollege.edu

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

**Course Description:** 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 function in their country and California
- B) Formulate soils and container media
- C) Propagate plants by sexual and asexual methods
- D) Identify the type of pest and disease damage
- E) Plant and care for horticultural crops
- F) Create a basic floral design

<b>Equipment:</b>	3-Ring Binder	Work/Lab Clothing	Proper Footwear
	Pen or Pencil	Safety Glasses (used occasionally)	
	Gloves	Paper/notebook	

**Safety glasses must be worn at all times when working around power equipment, handtools, and chemicals! A warning may be given but continued lack of wearing glasses may result in dismissal from the class. Students wearing open toe shoes will not be allowed to complete laboratory activities.**

**Attendance:** Lecture and laboratory attendance is required for successful completion of this course. **Six (6) absences** may result in a drop from the course. However, if you decide to drop the course, it is **your** responsibility to make the drop official in the Administrations and Records office or else possibly receive a grade of F.

**Tardies:** Students are expected to be on time. If you are not present when roll is taken, you will be counted as absent.

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

**Late Work Policy:** Written assignments are due at the beginning of class on the date due in. Late work will earn ½ of the credit earned; no work accepted after a week late. Marketing Presentations are due on presentation day. No late work accepted on presentation. Accuracy, completeness and neatness do count.

**Issues Articles:** There will be two issues articles need to be researched and discussed in a maximum of 2-4 page written report. These issues need to relate to the horticulture industry. It can relate to the environment or regulations involving water, waste, fertilizers, or pesticides, etc. Please attach article to written report. **All articles will be due on Monday, November 22, 2011.**

**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:

<b>Lecture:</b>	Two Hour Exams (100 pts each)	200
	One Final Exam (Comprehensive)	200
	Issues Articles (50 points each)	100
	Marketing Presentation (100 pts)	100
<b>Laboratory:</b>	Laboratory Exam (100 pts)	100
	Participation (10 pts each)	160
	Weekly Plant ID Quiz (10 pts each)	140
	<b>TOTAL</b>	<b>1000</b>

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

**Final Exam:** The final exam is to be scheduled on **Wednesday, December 14, 2011** from **9:00-10:50 a.m.**

**Blackboard Postings:** Course materials and announcements will be posted to Blackboard through the semester. Blackboard can be accessed via: <http://blackboard.reedleycollege.edu> and it is your responsibility to check frequently.

**Course Schedule:** The lecture schedule and laboratories are subject to change in the event of extenuating circumstances. If you are absent from lecture or 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 be scheduled and be noted in advanced when they are made on Laboratory days.

**Scheduled Lecture Topics:**

- The Ornamental Horticulture Industry
- Botanical Nomenclature
- Plant Structures and Functions
- Plant Propagation
- Soils and Container Media
- Plants in the Landscape
- Horticultural Structures
- Irrigation and Fertilizing
- Pest and Disease Damage Identification
- Landscape Design
- Turf Management
- Basic Floral Design

**Scheduled Laboratory Topics:**

- Greenhouse and Nursery Facilities
- Plant Identification
- Seed Propagation
- Types of Soils
- Arboretum Park
- Cutting Propagation
- Pest Control/Fertilizers
- Nursery Management & Inventories
- Garden Design and Establishment
- Garden/Turf Irrigation Systems
- Transplanting
- Floral Design
- Plant Sales and Marketing

**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 14, 2011**, after this date student must receive a grade.

***Important Dates***

August 15 Class Begins

August 25 Last day to drop for a refund or avoid a "W"

September 5 Labor Day, No School

September 16 Last day to change class to/from Pass/No-Pass grading basis

October 14 Last day to drop

November 11 Veterans Day, No School

November 24-26 Thanksgiving Holiday, No School

December 14 **Final Exam, 9-10:50 a.m.**

December 16 End Semester