

Course Outline of Record

1. Course Code: AGEH-001
2.
 - a. Long Course Title: Horticulture
 - b. Short Course Title: HORTICULTURE
3.
 - a. Catalog Course Description:
 A general course in Environmental Horticulture with emphasis on nursery operations, landscaping, and turfgrass management. Topics include basic botany, cultural practices, propagation, structures and layout, pest management, planting, container gardening and houseplants, plant identification, turfgrass installation and care, and survey of career opportunities.
 - b. Class Schedule Course Description:
 A general course in Environmental Horticulture with emphasis on nursery operations, landscaping, and turfgrass management.
 - c. Semester Cycle (if applicable): Spring semester only
 - d. Name of Approved Program(s):
 - ENVIRONMENTAL HORTICULTURE AS Degree and Transfer Preparation
 - ENVIRONMENTAL HORTICULTURE AS Degree for Employment Preparation
 - ENVIRONMENTAL HORTICULTURE Certificate of Achievement
4. Total Units: 3.00 Total Semester Hrs: 54.00
 Lecture Units: 3 Semester Lecture Hrs: 54.00
 Lab Units: 0 Semester Lab Hrs: 0
 Class Size Maximum: 26 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:
Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm1-A)
N/A
6. Textbooks, Required Reading or Software: (List in APA or MLA format.)
 - a. Call, Robert (1999). Arizona Master Gardener Manual (Revised/e). The University of Arizona.
 College Level: Yes
 Flesch-Kincaid reading level: 12.
 - b. Nick Christians, Michael L. Agnew. The Mathematics of Turfgrass Maintenance. Wiley , 10-27-2016.
7. Entrance Skills: *Before entering the course students must be able:*

8. Course Content and Scope:

Lecture:

1. The environmental Horticulture Industry in California
2. Environmental Issues and Regulations
3. Horticultural occupations and their Employment requirements
4. Tools, equipment, and safety practices
5. Plant structures and functions
6. Soils and container media
7. Plant Propagation
8. Requirements of plant growth
9. Irrigation and fertilizing
10. Pest and disease damage identification
11. Horticultural structures

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| <ol style="list-style-type: none">12. Environmental Horticulture business13. Nursery and greenhouse crops - planting and care14. Plants in the Landscape15. Plant identification and nomenclature16. Common Turf and Landscape practices |
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Lab: (if the "Lab Hours" is greater than zero this is required)

9. Course Student Learning Outcomes:

1.
Identify plant anatomy, morphology and physiology.
2.
Explain the theory of plant propagation, pruning, and fertilization.
3.
Describe the major insects, weeds, and diseases found in local horticulture.

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Identify, organize, plan, and allocate resources
- b. Demonstrate interpersonal skills
- c. Acquire and use information
- d. Understand complex environmental interrelations
- e. Work with a variety of horticultural technologies

11. Methods of Instruction: (*Integration: Elements should validate parallel course outline elements*)

- a. Discussion
- b. Lecture
- c. Participation

12. Assignments: (*List samples of specific activities/assignments students are expected to complete both in and outside of class.*)

In Class Hours: 54.00

Outside Class Hours: 108.00

a. In-class Assignments

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| <ol style="list-style-type: none">a. Detailed note takingb. Classroom participation |
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b. Out-of-class Assignments

- | |
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| <ol style="list-style-type: none">a. Reading assignments from required text |
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13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Written homework
- Computational/problem solving evaluations
- Presentations/student demonstration observations
- Group activity participation/observation
- True/false/multiple choice examinations
- Mid-term and final evaluations
- Student participation/contribution
- Student preparation

14. Methods of Evaluating: Additional Assessment Information:

Homework from each chapter Oral presentation

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO - Career and Technical Education

- Fulfill the requirements for an entry- level position in their field.
- Apply critical thinking skills to execute daily duties in their area of employment.
- Apply critical thinking skills to research, evaluate, analyze, and synthesize information.
- Display the skills and aptitude necessary to pass certification exams in their field.
- Exhibit effective written, oral communication and interpersonal skills.
- Transfer to a higher level learning institution

IO - Personal and Professional Development

- Self-evaluate knowledge, skills, and abilities.

IO - Aesthetics

- Value appearance in terms of how pleasing it is in movement, form, and function.

IO - Critical Thinking and Communication

- Utilizing various communication modalities, display creative expression, original thinking, and symbolic discourse.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
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19. Provide Reasons for the Substantial Modifications or New Course:

Remove English 70

20. a. Cross-Listed Course (Enter Course Code): *N/A*
 b. Replacement Course (Enter original Course Code): *N/A*

21. Grading Method (choose one): Letter Grade Only

22. MIS Course Data Elements

- a. Course Control Number [CB00]: CCC000124881
- b. T.O.P. Code [CB03]: 10900.00 - Horticulture
- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: A = Transfer to UC, CSU
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Possibly Occupational
- g. Course Classification [CB11]: Y - Credit Course
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: *N/A*
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: Y - Not Applicable
- l. Funding Agency Category [CB23]: Y = Not Applicable
- m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (if program-applicable): ENVIRONMENTAL HORTICULTURE,ENVIRONMENTAL HORTICULTURE,ENVIRONMENTAL HORTICULTURE

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 36

Third Year: 36

24. Resources - Faculty - Discipline and Other Qualifications:

a. Sufficient Faculty Resources: Yes

b. If No, list number of FTE needed to offer this course: *N/A*

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (*Explain:*)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Eddie Vaca Origination Date 10/27/17