

Course Outline of Record

1. Course Code: AGEH-009
2. a. Long Course Title: Landscape Planning and Design  
 b. Short Course Title: LANDSCAPE PLAN/DESIGN
3. a. Catalog Course Description:  
 The study and implementation of the art and science of landscape design, including principles of design, the design process, drafting, graphics, and presentation methods. Project emphasis is placed upon residential and small commercial sites. Course includes introduction to computer landscape design software programs. Emphasis is placed on residential and commercial properties landscape designs.  
 b. Class Schedule Course Description:  
 This course provides skills to design residential and commercial landscapes.  
 c. Semester Cycle (if applicable): Spring  
 d. Name of Approved Program(s):  
 • ENVIRONMENTAL HORTICULTURE AS Degree for Employment Preparation
4. Total Units: 3.00      Total Semester Hrs: 90.00  
 Lecture Units: 2      Semester Lecture Hrs: 36.00  
 Lab Units: 1      Semester Lab Hrs: 54.00  
 Class Size Maximum: 24      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)*  
 Advisory: AGEH 001 or  
 Advisory: AGPS 005
6. Textbooks, Required Reading or Software: (List in APA or MLA format.)  
 a. Reid, Grant W. (2002). Landscape Graphics (Revised Edition/e). New York Watson-Guptill. ISBN: -  
 College Level: Yes  
 Flesch-Kincaid reading level: 10.5  
 b. Nick Christians, Michael L. Agnew. The Mathematics of Turfgrass Maintenance. Wiley , 10-28-2016.
7. Entrance Skills: *Before entering the course students must be able:*  
a. Describe the plant body of many higher plants beginning with seed through root, stem, leaf, flower, and fruit.  
 • AGPS 005 - Describe the plant body of many higher plants beginning with seed through root, stem, leaf, flower, and fruit.  
b. Apply binomial taxonomic system and justify its use.  
 • AGPS 005 - Apply binomial taxonomic system and justify its use.  
c. Manipulate plants in various ways including propagate, prune, fertilize, control pests safely, and alter deteriorous soil conditions.  
 • AGEH 001 - Work with a variety of horticultural technologies  
d. Synthesize information about plant, soil, air, water, and organisms into a view of biology as a whole system.  
 • AGEH 001 - Understand complex environmental interrelations
8. Course Content and Scope:

Lecture:

1. Design Principles
  1. Orientation in Landscaping
  2. Site Analysis
  3. Drawing the plot plan
  4. Landscape symbols
  5. Landscape principles
  6. Functional spectrum of sound, light and the psychology of gardens
  7. Rules of composition
  8. Practical application
  9. Maintenance
  10. Site preparation
  11. Materials of construction
  12. Color planning in the garden
  13. Lighting in the garden
  14. How to select plant materials
  15. Planning for climate control
  16. Estimation of costs
  17. Selling your design
2. Landscape Design Elements
  1. Introduction to Design Process
  2. Client Interview
    1. Determining the wants and needs of the client
    2. Determining Design Goals and Style of the Landscaping
    3. Determining if clients wants are feasible
  3. Site Plan
    1. Introduction
    2. Definition of terms
    3. Gathering existing site data
    4. How to measure the site
    5. Procedures for drawing the base plan
  4. Conceptual Plans
    1. Introduction
    2. Combining the client's wants, needs and site plan
    3. Presenting plans to clients for review
  5. Plan Material Uses
    1. Introduction
    2. Functional use of plants
    3. Selecting plants for the landscape
    4. Renovating of existing plantings
  6. Outdoor Room Concept
    1. Introduction
    2. Outdoor spaces
    3. Outdoor rooms in the residential site
3. Landscape Considerations
  1. Local Ordinances and Requirements
  2. Water conservation
  3. Climate and energy conservation
  4. Slopes
  5. Design styles

Lab: *(if the "Lab Hours" is greater than zero this is required)*

1. Measuring landscape areas
2. Creating a plot plan.
3. Creating a landscape working drawing.
4. Field trips to nursery's
5. Choosing plant materials

# AGEH 009-Landscape Planning and Design

## 9. Course Student Learning Outcomes:

1.  
Present a landscape plan to a client.
2.  
Apply the design process to solve landscape situations and meet client needs.

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

- a. Identify basic principles of landscape design and create a functional landscape plan.
- b. Demonstrate the proper use of drafting tools and graphic material.
- c. Identify and describe architectural, historical, and environmental influences on landscape design.
- d. Identify and select plant materials according to proper environmental considerations and design principles.
- e. Summarize the qualifications of landscape Architects and others who design or plan landscape installations.

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

- a. Discussion
- b. Laboratory
- c. Lecture

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

In Class Hours: 90.00

Outside Class Hours: 72.00

### a. In-class Assignments

1. Lettering plates due weekly.
2. Landscape plans with various elements of line, harmony, repetition and balance.
3. Landscape plans – plot plan with complete hardscape and landscape.
4. Drawing presentation and call out plant material list to class.

### b. Out-of-class Assignments

1. Landscape plans with various elements of line, harmony, repetition and balance
2. Landscape plans – plot plan with complete hardscape and landscape
3. Reading assignments – History of landscape design

## 13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Student participation/contribution

## 14. Methods of Evaluating: Additional Assessment Information:

Projects – Progress or improvements in successive plot plans Field Reports Examinations

## 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.

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.

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## 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:

1. Drafting kit containing:
  1. T-Square
  2. pencils
  3. erasers
  4. compass
  5. protractor
  6. architect ruler
  7. 2 triangles (45o, 30o)

## 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:

2-year periodic review

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]: CCC000111914
- b. T.O.P. Code [CB03]: 10900.00 - Horticulture
- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: B = Transfer CSU
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Clearly 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

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

## 23. Enrollment - Estimate Enrollment

First Year: 0  
 Third Year: 0

## 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*

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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