

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

ORNAMENTAL HORTICULTURE 172 – INTRODUCTION TO LANDSCAPE DESIGN

2 hours lecture, 3 hours laboratory, 3 units

Catalog Description

Principles of landscape design for residential projects with an emphasis on residential landscape design and the creation of usable, pleasant outdoor spaces. Focuses on size and placement of plants, walks, patios and other structures in the residential landscape. The lab emphasizes practice in the design and drafting of actual landscape projects.

Recommended Preparation

“C” grade or higher or “Pass” in OH 171 or equivalent

Entrance Skills

Without the following skills, competencies and/or knowledge, students entering this course will be highly unlikely to succeed:

- 1) Evaluate appropriate landscape design presentation elements, methods and materials.
- 2) Prepare common hand drafted landscape symbols and graphics to prepare a concept plan.

Course Content

- 1) Lecture:
 - a. Basic drafting and presentation techniques
 - b. Elements of design
 - c. Design methodology
 - d. Site layout/base sheets
 - e. Plan reading and interpretation
 - f. Evaluating and critiquing design
- 2) Lab: sequential series of projects which lead students from a very simple area of design to an advanced problem complete with site analysis, sheet layout, use analysis design, and presentation drawing

Course Objectives

Students will be able to:

- 1) Principles of Design
 - a. Explain the typical urban lot characteristics, including zoning restrictions, property line locations, easements and construction opportunities and constraints as they pertain to residential landscape design.
 - b. Prepare a site layout on drafting paper suitable for use in preparing a landscape design.
- 2) Drafting Skills
 - a. Acquire fundamental drafting and layout techniques for residential landscape design using manual drafting tools to create drawings with architectural hand lettering, varied line weights, and standard drafted symbols.
 - b. Prepare plan legends, title blocks and plan notes for a residential landscape designs.
 - c. Prepare concept plans for residential gardens using standard landscape symbols for plants, paving, residences, furniture and other design elements.
 - d. Produce a concept plan using color rendering to differentiate the design elements.

- 3) Plan Development and Components
 - a. Compare and contrast the distinguishing characteristics of residential garden designs and garden themes.
 - b. Analyze a client's design requirements and formulate design elements to meet the client's needs.
 - c. Explain a finished residential landscape plan to a client based on client design requirements.
 - d. Based on standard garden themes and characteristics, compare and contrast ground covers, hardscape features, and fences used in residential landscapes.
- 4) Presentation Skills: explain the design objectives of student-prepared residential landscape design plans based on client specifications.
- 5) Professional Development
 - a. Identify landscape designer's responsibilities to the client.
 - b. Compare and contrast design expectations and limitations for an introductory landscape designer versus licensed landscape architect.

Method of Evaluation

A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.

- 1) Quizzes and exams that measure students' ability to classify residential garden designs based on themes, client design requirements, lot characteristics, design elements, ground covers, hardscape features, and fences used in a residential landscape design.
- 2) Exercises that measure students' ability to prepare a landscape plan utilizing four different design themes.
- 3) Exercises that measure students' ability to prepare landscape plans for back and front residential yards using client specified design elements and requirements.
- 4) Exercises that measure students' ability to explain design elements and characteristics as they pertain to a client's design requirements.
- 5) Quizzes and exams that measure students' ability to identify client responsibilities and limitations for landscape designers and licensed landscape architects.

Special Materials Required of Student

Drafting supplies: 45° triangle, 30/60° triangle, 2H, 4H, H and F drafting pencils, drafting paper, architect and engineer scales, circle templates

Minimum Instructional Facilities

- 1) Classroom with one drafting table per student (tables should have drafting machine or built-in "T" square)
- 2) Twelve 100-foot surveyor tape measures
- 3) Six builder's levels
- 4) Blueprint or copy machine and paper
- 5) Plan file cabinet

Method of Instruction

- 1) Lecture and demonstration
- 2) Projects

Out-of-Class Assignments

Reading assignments

Texts and References

- 1) Required (representative example): Booth, Norman and James Hiss. *Residential Landscape Architecture*. 7th Edition. Pearson, 2017.
- 2) Supplemental: None

Exit Skills

Students having successfully completed this course exit with the following skills, competencies and/or knowledge:

- 1) Utilize the characteristics of the urban lot including zoning restrictions, property line locations, easements, and construction opportunities and constraints to prepare a residential landscape design using fundamental drafting and layout techniques with architectural hand lettering, varied line weights, standard drafting symbols, plan legends, title blocks and plan notes.
- 2) Produce a concept plan using color rendering to differentiate the design elements.
- 3) Use garden designs and garden themes in the preparation of residential landscape designs.
- 4) Analyze a client's design requirements and formulate design elements to meet the client's needs.
- 5) Present a finished residential landscape plan to a client based on client design requirements.
- 6) Utilize ground covers, hardscape features and fences in residential landscape designs.
- 7) Identify landscape designer's responsibilities to the client and explain the limitations of a landscape designer versus a licensed landscape architect.

Student Learning Outcomes

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

- 1) Select_appropriate garden elements after analyzing the client's residential landscape design requirements.
- 2) Using_drafting_skills, develop a residential landscape plan.
- 3) Present a completed landscape design to a client.