

**CUYAMACA COLLEGE**  
**COURSE OUTLINE OF RECORD**

**ORNAMENTAL HORTICULTURE 173 – INTERMEDIATE LANDSCAPE DESIGN**

2 hours lecture, 3 hours laboratory, 3 units

**Catalog Description**

Landscape design course covering advanced site analysis, use relationships, outside furniture and structures, color presentations and client/designer relationships as they relate to small and medium scale landscape projects

**Prerequisite**

“C” grade or higher or “Pass” in OH 172 or equivalent

**Entrance Skills**

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

- 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 planting, hardscape, and built features 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.

**Course Content**

- 1) Principles of Design
  - a. Client design requirements
  - b. Cost estimates and budget considerations
  - c. Sustainable landscape design
  - d. Landscape design concepts
- 2) Drafting
  - a. Drawing typical landscape plan symbols
  - b. Preparing plans and sections
- 3) Construction documents
  - a. Planting plans
  - b. Hardscape and furnishing plans
  - c. Sections
- 4) Plan presentations
  - a. Media selection and use
  - b. Sketches and hand drawn modifications
- 5) Professional Development
  - a. Client responsibilities
  - b. Ecologically sustainable landscapes

**Course Objectives**

Students will be able to:

- 1) Principles of Design
  - a. Create and draft site plans based on client desires and needs while working with original and proposed elevation grade changes in the landscape.
  - b. Analyze and interpret construction cost estimate data.
  - c. Explain “sustainability” as it pertains to residential landscape design.
  - d. Recognize and evaluate topographical variations on landscape sites as it pertains to residential landscape plans.
- 2) Drafting Skills
  - a. Using drafting techniques advanced from the introductory course, prepare landscape plans using symbols on hand-drawn conceptual and planting, plans.
  - b. Interpret a topographical representation of a site plan to produce a section drawing of a site with changes of grade.
- 3) Plan Development and Components
  - a. Compare and contrast concept plans and construction documents, including planting and hardscape plans.
  - b. Prepare landscape plans that incorporate principles of sustainable landscape design.
  - c. Propose and prepare landscape designs of increasing complexity and size which incorporate construction budget considerations, client requirements, and, site plans with original and proposed elevation grade changes in the landscape.
- 4) Presentation Skills
  - a. Produce design presentations for a client.
  - b. Prepare hand-drawn sketches to illustrate design elements for use in client presentations.
- 5) Professional Development
  - a. Identify the skills and client relationships required to provide design services to clients.
  - b. Organize a design project within a team environment.
  - c. Identify landscape ecology principles of sustainable landscapes, including hardscape and planting selection.

**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, including skills demonstration or, where appropriate, the symbol system.

- 1) Quizzes and exams that measure students’ ability to recognize, explain, and provide examples of budgets, planting plans and cost estimates for sustainable landscape designs.
- 2) Exercises that measure students’ ability to, individually and in groups, prepare hand-drawn landscape plans and, with symbols learned in class, produce plans incorporating sustainable landscape principles and topographical sections.
- 3) Exercises that measure students’ ability to explain design concepts, ecological principles used in the design, designer responsibilities, and plan components.
- 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 pencils and pens, triangles, tracing paper, scales, templates, miscellaneous drafting supplies

**Minimum Instructional Facilities**

- 1) Lecture classroom for at least 24 students
- 2) Lab facility, drafting supplies, tables and space for 24 students

**Method of Instruction**

- 1) Lecture and demonstration
- 2) Lab activities

**Out-of-Class Assignments**

- 1) Reading assignments
- 2) Design projects

**Texts and References**

- 1) Required (representative example): Booth, Norman and James Hiss. *Residential Landscape Architecture: Design Process for the Private Residence*. 7th edition. Pearson, 2012.
- 2) Supplemental: Landscape Graphics: Plan, Section, and Perspective Drawing of Landscape Spaces. Reid, 2002.

**Exit Skills**

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

- 1) Prepare planting plans appropriate to client requirements and site conditions, and cost estimates for sustainable landscape designs.
- 2) Prepare hand-drawn landscape plans, with symbols and notes, incorporating sustainable landscape principles and topographical sections.
- 3) Explain design concepts, ecological principles used in the design, designer responsibilities, and plan components.
- 4) Explain design elements and characteristics as they pertain to a client's design requirements.

**Student Learning Outcomes**

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

- 1) Design a landscape project using an understanding of semi-advanced principles of landscape design.
- 2) Create drawings necessary for a landscape project with semi-advanced drafting skills.
- 3) Organize a project in a team environment and present the project to a client.