Lecture Contact Hours: 32-36; Outside-of-Class Hours: 64-72;
Laboratory Contact Hours: 48-54; Outside-of-Class Hours: 0;
Total Student Learning Hours: 144-162

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

Ornamental Horticulture 150 – Landscape Architecture I

2 hours lecture, 2 units
3 hours laboratory, 1 unit
Total units: 3

Catalog Description
The course focuses on principles of landscape architecture for public and residential projects with an emphasis on the creation of usable, pleasant outdoor spaces. Topics include strategies to create cohesive site and planting plans using industry drafting standards. The lab emphasizes hands-on design and drafting exercises.

Prerequisite
None

Course Content
1) Lecture:
    a. Landscape drafting techniques and industry standards for design graphics, including hardscape, planting plans, section, elevation, color rendering, and one-point perspective drawings.
    b. Design theory, process, and techniques. Iterative design techniques and strategies to solve design problems.
    c. Lessons in construction sequence, construction contracts, landscape architecture licensing, and client relations.
    d. Site plan creating using standard plan graphics and architectural lettering.
    e. Planting design theories and techniques. Creating a planting plan and plant legend using standard graphics.
    f. Vehicular circulation and standard design practices.
    g. User experiences and tendencies in outdoor spaces.
2) Lab: consist of a sequential series of projects which lead students through design process. Presentations will be verbal, written, and graphic. Projects consist of group and individual activities.
    a. Introductory landscape drafting techniques; including illustrative presentation graphics and construction document graphics.
    b. Introductory design theory, process, and technique; using the design of the architecture for inspiration, following historical landscape architecture iconography and iterative design processes.
    c. Hands-on activities including site measuring, plant characteristic evaluation, design critique, and free-hand sketching.
    d. Evaluating an existing site and creating a site analysis drawing.
    e. Creating landscape architecture site plan: containing all built items to-scale and with appropriate materials.
    f. Creating landscape architecture planting plan: laying out the plants on the plan using locally appropriate plants for the climate, sun, and soil profiles.
    g. Presenting design ideas to clients.

Course Objectives
Students will be able to:
1) Analyze the physical opportunities and constraints of a site to create site analysis drawings and use them as a tool for subsequent design.
2) Use industry drafting standards to create a set of landscape plans; including site plan and planting plan.
3) Create a planting plan where the plant list is appropriate for the site conditions and the client's desires.
4) Integrate user tendencies as well as theories in pedestrian and vehicular circulation into each design concept.
5) Understand how a landscape architect's work is contractually part of an overall construction project relative to the client, the contractor and the sub-contractors.
6) Create designs that integrate environmentally sustainable ideas as well as cost-effective construction methods.
7) Utilize verbal, written, and graphic drawings (both hand-drawn and computer-generated) to communicate design ideas in both individual and group projects.
8) Utilize design theory and history as structural frameworks for design concepts.

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) Students will be assigned projects and exercises, including a final project, which measure the student's ability to design thoughtful and cohesive landscape architecture plans.

Special Materials Required of Student
Drafting supplies: 45° triangle, 30/60° triangle, 2H, H, 2B, 4B and F drafting pencils, sketchbook (8 ½" x 11") architect and engineer scales, circle templates, role of 12" trace paper, black felt-tip pen ultra fine, kneaded eraser, colored pencils

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 (or measuring wheel?)
3) Large format copy machine and paper (11 x 17)
4) Plan file cabinet
5) Large drawing sheets (24 x36)

Method of Instruction
1) Lecture and demonstration
2) Projects

Out-of-Class Assignments
1) **Reading:** course material; other course related multimedia.
2) **Writing:** N/A.
3) **Other:** drawing assignments.

Texts and References
1) Required (representative examples):

a. Booth, Norman and James Hiss. *Residential Landscape Architecture.* 7th edition. Pearson, 2018.
b. Bertauski, Tony. *Plan Graphics for the Landscape Designer*. 3rd Edition. Waveland Press, 2019.

2) Supplemental: Bertauski, Tony. *Designing the Landscape: An Introductory Guide for the Landscape Designer*. 3rd Edition. Waveland Press, 2022.

Exit Skills

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

1) Ability to assess a given site for its constraints and opportunities and create a cohesive site design and planting plan.
2) Use industry drafting standards to create biddable landscape architecture drawings that emulate the client's program desires.
3) Use design theory and history as framework for design concepts.
4) Explain the landscape architect's role in a construction project.
5) Ability to integrate environmentally sustainable concepts in landscape designs.

Student Learning Outcomes

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

1) Analyze a given site and create a cohesive design.
2) Create biddable landscape architecture drawings using industry graphic standards.
3) Communicate design solutions to clients and contractors in verbal, written, and graphic formats.