

Las Positas College
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Course Outline for HORT 59

LANDSCAPE DESIGN

Effective: Fall 2004

I. CATALOG DESCRIPTION:

HORT 59 — LANDSCAPE DESIGN — 3.00 units

Landscape site planning and landscape architectural design for residential properties, home gardens, and small-scale use areas. Procedures and methods required in the planning and design process; site inventory, site analysis, user group analysis, preparation of site study diagrams, preliminary designs, and master site plans. Theory and principles of design, site layout, landscape elements, and material selection. Sketching, drafting, delineation, reproduction, and coloring techniques for landscape architectural plans. Selection and use of drawing tools, materials, and equipment.

2.50 Units Lecture 0.50 Units Lab

Grading Methods:

Letter or P/NP

Discipline:

	<u>MIN</u>
Lecture Hours:	45.00
Lab Hours:	27.00
Total Hours:	72.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- A. demonstrate graphics drawing skills for landscape architectural design;
- B. use materials, tools and techniques incorporated in drawing landscape plans;
- C. utilize color graphic media to enhance landscape site plans for presentation;
- D. draw landscape site plans and planting plans within acceptable landscape architectural standards;
- E. demonstrate elements and procedures used in landscape planning, design and development;
- F. prepare accurate cost estimate for landscape development;
- G. demonstrate elements and procedures involved in the client-designer relationship during the landscape plans development process and during construction;
- H. prepare a design contract;
- I. prepare a planning/design schedule;
- J. prepare a fees schedule for a design project.

V. CONTENT:

- A. Introduction to landscape architecture
 1. What is landscape architecture?
 2. What does a landscape architect or designer do?
 3. Employment opportunities, salaries, and fees
 4. Examples of student and professional drawings and site plans
 5. Education requirements and licensing
- B. Drawing equipment, tools materials, and plan reproduction
 1. Types of drafting equipment, tools required, their use and application
 2. Drafting materials—paper types, uses, and application
 3. Plan reproduction—black, blue, and brown line prints
 4. Sources for equipment, tools, materials, and plan reproduction
- C. Drawing landscape site plans and planting plans
 1. Methods and techniques of drawing and plan preparation
 2. Sheet layout, required elements on drawings and title blocks
 3. Proper use of pencil and ink media
 4. Delineation techniques for landscape site plan elements
 5. Color rendering methods and techniques for landscape site plans
 6. Methods and techniques for drawing planting plans
- D. Site measuring and base map preparation
 1. Gathering existing site data
 2. On-site measurement techniques

3. Recording site measurements
4. Procedures for drawing the base sheet and base maps
- E. Site analysis and user group study
 1. Site inventory and user group composition and requirements
 2. Site and environment analysis
 3. Adjacent off-site analysis and considerations
 4. Site analysis and inventory graphics and study plan
- F. Functional diagrams and site studies
 1. Overall site organization
 2. Function before form
 3. Location and size of use areas and landscape elements
 4. Active vs. Passive use areas and functional relationships
 5. People and vehicular circulation
 6. Spatial configuration, transition spaces, and focal points
 7. Views, elevation change
- G. Design principles and theory of design
 1. Design theory and principles of order, unity, balance, and rhythm
 2. Symmetry and asymmetry
 3. Dominance
 4. Form compositions and geometry of form
 5. Combining forms
 6. Design themes and site character
 7. Spatial composition, enclosure, and theory of outdoor space use
- H. Preliminary design
 1. Refined functional diagram
 2. Aesthetic organization and spatial composition
 3. Form composition and spatial composition
 4. Use of theory of design and design principles
 5. Preliminary site grading and drainage
 6. Preliminary planting design
 7. Design, layout, and preparation of preliminary landscape site plans
 8. Preliminary design presentation
 9. Client input and acceptance
- I. Master landscape site plan
 1. Preparation of the master landscape site plan
 2. Redesign and/or refinement
 3. Material selection and composition, landscape accessories and furnishings
 4. Master plan graphic style and content
- J. Planting design
 1. Preparation and graphic techniques for planting plans
 2. Theory of design for planting design
 3. Plant selection, climatic and environmental considerations
 4. Architectural and engineering uses of plants
 5. Functional and aesthetic uses of plants
 6. Plant layout, spacing, size and location
- K. Cost estimating
 1. Preliminary cost estimating
 2. Methods for developing accurate costs
 3. Preparation of a cost estimate
- L. Client-designer relationship
 1. Landscape architectural design promotion
 2. Promotional tools
 3. Potential client contact
 4. Meeting clients and presentation
 5. Developing a proposal for design services
 6. Design agreement/contract and fees;
 7. The design process

VI. METHODS OF INSTRUCTION:

- A. **Lecture** -
- B. **Discussion** -
- C. Handout materials
- D. Examples of design work and plans, slides and video media
- E. **Field Trips** -
- F. **Demonstration** -

VII. TYPICAL ASSIGNMENTS:

- A. Weekly reading assignments in textbook B. Graphic design/drawing assignments C. Three complete landscape designs/plans D. Landscape project cost estimate

VIII. EVALUATION:

- A. **Methods**
- B. **Frequency**

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IX. TYPICAL TEXTS:

1. Norman Booth and James Hiss *Residential Landscape Architecture*. 2nd ed., Prentice Hall Publishing, 1999.
2. Tony Berbertauski *Plan Graphics for the Landscape Designer*. 1st ed., Prentice Hall Publishing, 2003.

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. Drafting equipment, tools, and graphic materials