



LAND365 SYLLABUS

Course number and Title LAND365, Landscape Contract Drawing and Specifications

Credits 3 (2-2-0), (lecture-lab/studio-discussion)

Term offered Fall

Prerequisite(s) LAND363, Advanced Landscape Site Engineering

Catalog Course Description

Construction details, design development, and construction specification emphasizing implementation of design projects.

Academic Objectives

The previous construction course (LAND363) touched on broad issues of grading, drainage, utilities, road design, and materials. This course will concentrate on more specific site detailing, design development, cost estimating, and finally, a set of contract drawings.

The first portion of the semester will concentrate on the materials and methods of construction and might review previous (LAND363) exercises.

- Develop a set of reference details – a series of 8-1/2" x 11" drawings.
- Garden feature design and scale model construction.

The latter and longer portion of the semester will be used to apply techniques and standards learned to design development, cost estimation, and construction documentation of an original design. The set of contract drawings will be accomplished using AutoCAD or Microstation (primarily 2d.dgn).

- Conceptual project design
- Design development
- Cost estimate/specifications
- Contract drawings

Occasionally, field trips to observe construction in progress may take place. If the trip is to a site off campus there will be advance notification.

Evaluation

Studio attendance and participation in studio discussions will be worth 10% of your grade. Studio projects will be weighted based on the amount of time spent on them (i.e. a 1 week assignment is worth half as much as a 2 week assignment).

Each project will be evaluated and receive a grade:

- A Distinctive professional school quality
- B Distinctive professional school quality with minor revisions
- C Distinctive professional school quality with moderate revisions
- D Distinctive professional school quality with major revisions
- F Incomprehensible or without redeeming qualities

Distinction may be demonstrated by a combination of professional conduct in the studio; remarkably thorough, creative, and well justified design; master craftsmanship in making pin-up and presentation products; avoiding destructive procrastination; conducting and documenting thorough research; prolific use of the computer and sketch paper to test ideas; initiating and substantiating ideas in informed project dialogue with the instructor; exceeding the minimum requirements, and so forth.

Letter grades will be granted based on the relative professional quality of the work completed as of the specified due dates. Grades will reflect an evaluation based on two issues - technical accuracy and representation. Grades will be assigned based on the instructor's professional judgment, which shall be final but may be appealed as described in the current CSU General Catalog under "Academic Appeals."

On-time attendance is required at all course sessions unless prior arrangements are made with the instructor. All projects must be turned in to receive a grade for the course.

Policy Regarding Academic Honesty / Dishonesty

In addition to "Landscape Architecture Studio Code of Conduct" please refer to the University statement on academic honesty in the General Catalogue under the section "Student Rights and Responsibilities."

Honor Pledge

This course will adhere to the CSU Academic Integrity Policy as found in the [General Catalog - 1.6, pages 7-9](#) and the [Student Conduct Code](#). At a minimum, violations will result in a grading penalty in this course and a report to the Office of Conflict Resolution and Student Conduct Services.

● ALL graded activities of the course will comply. *Signature:* _____

Required References

Walker, Theodore. Site Design and Construction Detailing

Additional References

Ching, Francis D.K. Building Construction Illustrated
Harris / Dines. Time - Saver Standards for Landscape Architecture
Landphair / Klatt. Landscape Architecture Construction
Ramsey / Sleeper. Architectural Graphic Standards. Especially chapter 2, Sitework
Landscape Architecture Magazine. Construction, Technique and Practice sections
Various instructional booklets. Sunset, Ortho, etc.

Digital STUDIO WORKS

A (CD) collection of studio products, images and written works, is required by Friday (4:30, room 111 Shepardson Hall) of finals week.

Course topics by week

Week 1	Course introduction, concrete, flatwork
Week 2	Grade change features, containment, retention structures
Week 3	Utilities, furnishings, water display
Week 4	Small structure – principles of construction
Week 5	3-dimensional scale model
Week 6	Studio project – conceptual design
Week 7	Studio project – design development
Week 8	Studio project – specifications and cost estimate
Week 9	Studio project – contract drawings: layout/dimensioning plan
Week 10	Studio project – contract drawings: grading plan
Week 11	Studio project – contract drawings: planting plan
Week 12	Studio project – contract drawings: details (concrete and flatwork)
Week 13	Studio project – contract drawings: details (grade change, containment, retention)
Week 14	Studio project – contract drawings: details (utilities, furnishings, water)
Week 15	Studio project – contract drawings: cover, indexing, referencing
Week 16	Project presentation, studio display, course evaluations