HORT 195.1 Course Outline as of Fall 2002

CATALOG INFORMATION

Dept and Nbr: HORT 195.1 Title: LANDCADD: SITE PLANS
Full Title: LANDCADD: Site Plans
Last Reviewed: 3/12/2007

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	2.00	6	Lecture Scheduled	12.00
Minimum	1.00	Lab Scheduled	3.00	6	Lab Scheduled	18.00
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	30.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 24.00 Total Student Learning Hours: 54.00

Title 5 Category: AA Degree Applicable
Grading: Grade or P/NP
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly:

Catalog Description:
Introduction to computer assisted landscape drafting utilizing the LANDCADD software program to produce professional quality landscape site plans. Course covers getting started with LANDCADD, with particular attention given to base plan, building footprints, lot layouts, ramps, steps, and other simple hardscape features.

Prerequisites/Corequisites:
Course Completion of HORT 94A (or AG 94A)

Recommended Preparation:
Course Completion of APTECH 46 (or APTECH 56 or ENGR 56 or ENGR 22)

Limits on Enrollment:

Schedule of Classes Information:
Description: Introduction to computer assisted landscape drafting utilizing LANDCADD. Basic LANDCADD site planning, including: base plan, building footprints, lot layouts, ramps, steps, and other simple hardscape features. (Grade or P/NP)
Prerequisites/Corequisites: Course Completion of HORT 94A (or AG 94A)
Recommended: Course Completion of APTECH 46 (or APTECH 56 or ENGR 56 or ENGR 22)

Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer: Effective: Inactive:

UC Transfer: Effective: Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon successful completion of this course the student will be able to:
1. Create a new landscape drafting project using the LandCADD software program.
2. Prepare a base plan for a landscape drafting project.
3. Place and modify text in a drawing.
4. Plan a site and draft a building footprint incorporating all required elements.
5. Incorporate parking and circulation concepts in a drawing.
6. Develop simple site plan drawings using multiple LandCADD options.
7. Create a 3-D perspective view of a drawing.

Topics and Scope:

I. Beginning the Project
  A. Adding a project
  B. Default CAD settings
  C. Plot scales
II. Base Plan
  A. Property line input
  B. Property line creation
    1. line construction
    2. connecting construction line end points
    3. fillet command
    4. annotating lines
  C. Baseline Offsets
  D. Utility symbols
  E. Using LANDCADD Text Tools
    1. inserting a text file

2. placing/editing text
F. Sum Areas and Lengths by Layer
1. sum area by layer
2. sum by length of lines
G. Creating a Perspective View
III. Site Planning
A. Beginning site planning
B. Drafting a building footprint
C. Inserting openings in building footprint
D. Drafting a Roof in a drawing
E. Parking
1. placing regular parking stalls
2. placing disabled parking stalls
3. inserting double-row parking
4. setting area parking
F. Walkways and Fences
1. drafting sidewalks
2. creating fences and walls
G. Inserting Patios and Steps

Assignment:

1. Produce a base plan.
2. Produce a building footprint and place door and window openings.
3. Create a parking lot layout.
4. Lay out walkways, roads, fences and patios in a drawing.
5. Draft a roof in a drawing.
6. Complete a final project incorporating required elements.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None	Problem solving 0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Performance exams, Computer generated drawings.	Skill Demonstrations 60 - 80%

Exams: All forms of formal testing, other than skill performance exams.

None	Exams 0 - 0%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance; participation; following instructions.	Other Category 20 - 40%

Representative Textbooks and Materials:
LandCADD Training Manual, 2001.
Instructor prepared handouts.