HORT 195A Course Outline as of Spring 2011

CATALOG INFORMATION

Dept and Nbr: HORT 195A   Title: CAD:LANDSCAPE SITE PLANS
Full Title: CAD: Landscape Site Plans
Last Reviewed: 3/12/2007

Units			Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00		Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	1.00		Lab Scheduled	1.00	6	Lab Scheduled	17.50
			Contact DHR	0		Contact DHR	0
			Contact Total	2.00		Contact Total	35.00
			Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00   Total Student Learning Hours: 70.00

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: HORT 195.1

Catalog Description:
Introduction to computer assisted landscape drafting utilizing CAD (computer-aided drafting) software to produce professional quality landscape site plans for residential and small commercial sites. Particular attention given to drafting base plans, building footprints, and other simple hardscape features.

Prerequisites/Corequisites:
Course Completion of HORT 93 and Course Completion of APTECH 46 (or APTECH 56 or ENGR 56 or ENGR 22) OR Course Completion of HORT 94A (or AG 94A) and Course Completion of HORT 94B and Course Completion of APTECH 46 (or APTECH 56 or ENGR 56 or ENGR 22)

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Introduction to computer assisted landscape drafting utilizing CAD (computer-aided drafting) software to produce professional quality landscape site plans for residential or

small commercial sites. Particular attention given to drafting base plans, building footprints, and other simple hardscape features. (Grade or P/NP)
Prerequisites/Corequisites: Course Completion of HORT 93 and Course Completion of APTECH 46 (or APTECH 56 or ENGR 56 or ENGR 22) OR Course Completion of HORT 94A (or AG 94A) and Course Completion of HORT 94B and Course Completion of APTECH 46 (or APTECH 56 or ENGR 56 or ENGR 22)
Recommended:
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 CAD softwareprogram.
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.
5. Develop simple site plan drawings using multiple CAD options.

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. annotating lines
  C. Baseline Offsets
  D. Drafting a building footprint

E. Inserting openings in building footprint
F. Utility symbols
III. Dimensioning and Labeling
  A. Placing/editing text
  B. Summing areas and lengths by layer
    1. sum area by layer
    2. sum by length of lines

Assignment:

Skill demonstrations:
1. Produce a base plan.
2. Produce a building footprint and place door and window openings.
3. Produce a site plan.
4. Complete a final project incorporating required elements.
Objective examinations:
5. Midterm and final exam.
Reading:
6. Reading: 5-10 pages per week.

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.

See listed assignments

Skill Demonstrations
60 - 80%

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

Multiple choice, True/false, Matching items, Completion, Short answer

Exams
20 - 40%

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

Representative Textbooks and Materials:
Instructor prepared materials.