HORT 195B Course Outline as of Fall 2007

CATALOG INFORMATION

Dept and Nbr: HORT 195B Title: CAD: PLANTING PLANS
Full Title: CAD: Landscape Planting 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:	HORT 195.2

Catalog Description:
Introduction to computer assisted landscape drafting utilizing CAD (computer-aided drafting) software to execute landscape planting plans. Particular attention given to vegetation and pattern lines, plant outlines, locating trees and shrubs, and using a symbol library and other symbol graphics.

Prerequisites/Corequisites:
Course Completion or Current Enrollment in HORT 195A (or HORT 195.1)

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Introduction to computer assisted landscape drafting utilizing CAD (computer-aided drafting) software to execute landscape planting plans. Particular attention given to vegetation and pattern lines, plant outlines, locating trees and shrubs, and using a symbol library and other symbol graphics. (Grade or P/NP)
Prerequisites/Corequisites: Course Completion or Current Enrollment in HORT 195A (or

HORT 195.1)
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. Illustrate a variety of types of vegetation lines in a landscape planting plan.
2. Illustrate plants in a landscape planting plan.
3. Select correct symbol choice for various plants and insert in a plantin g plan.
4. Convert a conceptual landscape design to a plant layout.
5. Modify plant symbol attributes in an existing planting plan.
6. Customize information displayed on a label, and label plants in a planting plan.
7. Create a plant table to identify plant material in a planting plan.
8. Develop a materials takeoff and cost estimate for a planting plan.

Topics and Scope:

I. Beginning the Project
  A. Default CAD standards
  B. Plot scales
II. Landscape Layout
  A. Symbol graphics
    1. drawing vegetation lines
    2. pattern lines
    3. plant shadowing
    4. placing edge stippling
    5. other symbol graphics
  B. Locating Trees and Shrubs

1. locating hedge grove
2. locating hedge row

C. Converting symbols and Modifying Attributes
1. converting a conceptual design to a plant layout
2. modify plant attributes

D. Labels
1. labeling symbols
2. editing labels

III. Plant Selection and Plant Table
1. labeling plants
2. editing plant labels
3. plant selection
4. creating plant tables

IV. Quantity Takeoffs and Estimates

Assignment:

Skill demonstrations:
1. Computer drafting assignments such as: illustrating plants in a planting plan; selecting plant symbols and inserting them into a planting plan; modifying plant attributes in a planting plan.
2. Produce a complete planting layout for a landscape site.
3. Produce a plant table.
4. Produce a quantity takeoff and estimate.

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.

None	Other Category 0 - 0%

Representative Textbooks and Materials:
Instructor prepared materials.