

PST-2431: PLANTING DESIGN

Cuyahoga Community College

Viewing: PST-2431 : Planting Design

Board of Trustees:

2014-06-19

Academic Term:

2014-08-25

Subject Code

PST - Plant Science/Landscape Tech.

Course Number:

2431

Title:

Planting Design

Catalog Description:

Emphasis on the design relationships of plants to their optimum and intended environments. Basic and advanced planning design principles and techniques that address the aesthetic, environmental and engineering uses of plant material. Preparation of various design project drawing types and a personal palette including woody and herbaceous materials for more complex landscape design solutions,

Credit Hour(s):

3

Lecture Hour(s):

2

Lab Hour(s):

3

Requisites

Prerequisite and Corequisite

PST-1441 Introduction to Landscape Design, or departmental approval: Faculty may require samples of previous work to determine skill level.

Outcomes

Course Outcome(s):

1. Design softscapes that use form, color, texture and other design principles to enhance and beautify the environment.

Objective(s):

1. Apply design principles to planting design.
2. Select and create a plant list according to the design criteria.

Course Outcome(s):

2. Use discovery/interview process to determine the design criteria and present a solution that will meet client's needs.

Objective(s):

1. Chart features, both functional and aesthetic, of a client-specific plant palette.

Course Outcome(s):

3. Demonstrate competent use of design principles and elements through a thorough understanding of materials, methods, and maintenance procedures with environmental and programmatic sensitivity.

Objective(s):

1. Use form, color, and texture in design.
 2. Apply form, color, and texture to architectural, engineering, aesthetic, and climatic design solutions.
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Methods of Evaluation:

1. Homework
2. Design projects
3. Presentations
4. Role playing
5. Quizzes
6. Tests

Course Content Outline:

1. Concepts
 - a. Interrelation between softscapes and hardscapes
 - b. Design principles
 - c. Form, color, texture, size, composition
 - d. Plant material used as tools to create aesthetic, architectural, engineering, and climatic features
 - e. Client discovery interview techniques
 - f. Program development
 2. Skills
 - a. Interviewing and client discovery
 - b. Selecting and evaluating plant materials as solutions for specific design problems both functional and aesthetic
 - c. Graphic communication and rendering techniques and styles including lettering, perspective, elevation, drafting and presentation
 3. Issues
 - a. Soil
 - b. Drainage
 - c. Environmental
 - d. Sun
 - e. Shade
 - f. Plant cultural requirements
 - g. Microclimate
 - h. Plant communities
 - i. Ecology
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Resources

Booth, Norman and James Hiss. *Residential Landscape Architecture*. 4th. Upper Saddle River, NJ: Pearson Prentice Hall, 2005.

Bertanski, Tony. *Designing the Landscape; An Introductory Guide for the Landscape Designer*. Upper Saddle River, NJ: Pearson Prentice Hall, 2005.

Bertanski, Tony. *Plan Graphics for the Landscape Designer; with Section-Elevation and Computer Graphics*. 2nd. Upper Saddle River, NJ: Pearson Prentice Hall, 2006.

Siciliano, Paul. *Landscape Interpretations: History, Techniques, and Design Inspiration*. 1st. Clifton Park, NY: Thompson Delmar Learning, 2005.
