

PST-1441: INTRODUCTION TO LANDSCAPE DESIGN

Cuyahoga Community College

Viewing: PST-1441 : Introduction to Landscape Design

Board of Trustees:

March 2020

Academic Term:

Fall 2021

Subject Code

PST - Plant Science/Landscape Tech.

Course Number:

1441

Title:

Introduction to Landscape Design

Catalog Description:

Introductory principles and processes of landscape design. Emphasis on understanding how to read and interpret professional blueprints as well as creating basic landscape designs. Topics include aesthetic and environmental systems analysis and the development of basic site and landscape design projects. Preparation of various landscape designs provides exposure to design theories applicable to the use of landform, vegetation, water and structural landscape elements.

Credit Hour(s):

3

Lecture Hour(s):

2

Lab Hour(s):

3

Requisites

Prerequisite and Corequisite

PST-1311 Deciduous Woody Landscape Plants, or PST-1321 Evergreens, Groundcovers, and Herbaceous Plants, or departmental approval.

Outcomes

Course Outcome(s):

Utilize industry standard techniques to create landscape plans for aesthetic and functional human use and enjoyment.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

1. Produce the graphical representation of sites using the appropriate application of drawing/drafting tools.
2. Define the meaning of hardscape and softscape and demonstrate the ability to use them in constructible designs.
3. Visualize and design three-dimensional landscape space.
4. Use industry standard symbols for plants, buildings, and non-plant features to communicate spatial relationships in the landscape.

Course Outcome(s):

Utilize techniques, materials, and equipment used in creating a landscape design.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

1. Identify materials and equipment for creating landscape designs.
 2. Utilize materials and equipment to create a landscape design.
 3. Use industry standards in layout and graphical representation to create a final landscape plan.
-

Course Outcome(s):

Utilize the Design Process to create a landscape design from initial client contact to final drawing submission.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

1. Perform a site analysis and client questionnaire.
 2. Create a base map and functional diagram.
 3. Create a preliminary plan with at least two different design themes.
 4. Present preliminary plan to solicit client feedback for a final plan.
 5. Create and present a final plan.
-

Course Outcome(s):

Discuss topics of ecosystem health and environmental sustainability and how they are addressed in the Green Industry through landscape design.

Essential Learning Outcome Mapping:

Oral Communication: Demonstrate effective verbal and nonverbal communication for an intended audience that is clear, organized, and delivered effectively following the standard conventions of that language.

Objective(s):

1. Explain the role the Green Industry plays in creating sustainable landscapes.
 2. Define what makes a landscape a sustainable ecosystem.
 3. Discuss methods to engage clients in understanding the role their landscape can play in ecosystem health.
-

Methods of Evaluation:

1. Homework
2. Design projects
3. Sketch problems
4. Quizzes
5. Tests

Course Content Outline:

1. Using equipment and working with scale
 - a. Use of drawing tables, drafting equipment and drawing tools.
 - b. Lettering and graphic techniques
 - c. Basic drawing, design principles, elements, and processes
 - d. Form and composition
 - e. Space articulation
 - f. Landscape symbols, lettering and plan development
 - g. Site survey and inventory and creating site plan

- h. Site visual and environmental analysis
 - i. Two and three dimensional thought and graphic communication
 - j. Hardscapes in the landscape
 - k. Softscapes in the landscape
- 2. Utilizing the design process
 - a. Written and graphic analysis of site environment and synthesis with project criteria
 - b. Spatial analysis recognition
 - c. Analyzing client needs through verbal inquiry
 - d. Development of conceptual (functional), preliminary and master plans
 - e. Primary materials palette and uses Concept or functional diagrams
 - f. Preliminary design plan
 - g. Final design or master design plan
 - h. Presentation skills for client interactions
- 3. Understanding issues within the Green Industry and application to ecosystem management
 - a. Environmental liability and impact to climate
 - b. Environmental systems interaction and manipulation
 - c. Aesthetic and functional combination of materials
 - d. Functional and aesthetic manipulation of surface grades
 - e. Managing storm water through the landscape
 - f. Functional limits of design elements

Resources

Booth, Norman and James Hiss. *Residential Landscape Architecture*. 7th ed. Upper Saddle River, NJ: Pearson Prentice Hall, 2017.

Bertauski, Tony. *Designing the Landscape: An Introductory Guide for the Landscape Designer*. 2nd ed, Kindle. Upper Saddle River, NJ: Pearson Prentice Hall, 2019.

Bertauski, Tony. *Plan Graphics for the Landscape Designer: with Section-Elevation and Computer Graphics*. 3rd ed. Upper Saddle River, NJ: Pearson Prentice Hall, 2018.

Sauter, David. *Landscape Construction*. 3rd Edition. Delmar Cengage Learning, 2010.

Top of page

Key: 3753