

# PST-1420: LANDSCAPE PRACTICES

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## Cuyahoga Community College

### Viewing: PST-1420 : Landscape Practices

**Board of Trustees:**

February 2019

**Academic Term:**

Fall 2021

**Subject Code**

PST - Plant Science/Landscape Tech.

**Course Number:**

1420

**Title:**

Landscape Practices

**Catalog Description:**

Study of and practical experience in proper techniques of landscape maintenance and installation. Included are proper pruning, planting, preparation mulching, fertilizing, water management, and soil preparation techniques.

**Credit Hour(s):**

3

**Lecture Hour(s):**

2

**Lab Hour(s):**

3

**Other Hour(s):**

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## Requisites

**Prerequisite and Corequisite**

PST-1411 Equipment Operations and Safety, or departmental approval.

## Outcomes

**Course Outcome(s):**

Analyze landscape site for development of a landscape maintenance program.

**Objective(s):**

1. Utilize basic surveying equipment and techniques.
2. Utilize industry best practices for surveying.

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**Course Outcome(s):**

Describe and calculate materials and labor costs for a landscape contract estimate.

**Objective(s):**

1. Determine a maintenance schedule based on landscape needs.
2. Determine maintenance practices according to client and landscape needs.
3. Estimate final costs for a maintenance contract.

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**Course Outcome(s):**

Describe and demonstrate landscape maintenance techniques.

**Objective(s):**

1. Describe and demonstrate pruning techniques for woody plants.
  2. Describe and demonstrate proper planting techniques for trees, shrubs, vines, and ground cover.
  3. Evaluate and prepare soil for planting annual and perennial beds.
  4. Describe and demonstrate proper fertilization application.
  5. Mow, dethatch, aerate, and edge turf.
  6. Describe proper water management practices in the landscape.
  7. Apply mulches.
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**Course Outcome(s):**

Demonstrate safe and correct use of power tools and handtools.

**Objective(s):**

1. Demonstrate the correct use of power tools and hand tools.
  2. Demonstrate the safe use of power tools and hand tools.
  3. Describe the importance of safety on a job site.
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**Course Outcome(s):**

Develop a landscape maintenance schedule.

**Objective(s):**

1. Define a maintenance schedule based on the needs of both the client and the landscape.
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**Course Outcome(s):**

Determine landscape maintenance practices according to specific area characteristics.

**Objective(s):**

1. Describe and demonstrate best industry practices for maintenance while considering the unique characteristics of an area.
  2. Utilize proper equipment to maintain an area while considering the area's unique characteristics.
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**Methods of Evaluation:**

1. In-class projects
2. Quizzes
3. Midterm
4. Final exam

**Course Content Outline:**

1. Landscape Maintenance Cost Estimating
2. Landscape Contract Final Estimate
  - a. Determine Maintenance Schedule
  - b. Determine Maintenance Practices According to Client Needs
3. Basic Surveying Skills
4. Techniques for Pruning trees, shrubs, and vines
5. Techniques for Proper Installation and Handling of Plants
6. Techniques for Preparing Soil for Planting
7. Techniques for Proper Application of Fertilizer
8. Techniques for Mowing, Dethatching, Aerating and Edging Turf
9. Techniques for the Proper Installation of Mulch
10. Techniques for Proper Use of Power & Hand Tools

**Resources**

Harris, Richard W., James R. Clark and Nelda P. Hatheny. *Arboriculture: Integrated Management of Landscape Trees, Shrubs and Vines*. 4th ed. Upper Saddle River, New Jersey: Prentice-Hall, 2004.

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C.R. Adams, K.M. Ramford, M.P. Early. *Principles of Horticulture*. 6. Butterworth-Heinemann, 2011.

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Raymond Poincelot. *Sustainable Horticulture*. 1. Prentice Hall, 2008.

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L. Rice, R. Rice. *Practical Horticulture*. 7. Pearson AG, 2011.

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A. Turgeon, L. McCarty, N. Christians. *Weed Control in Turf and Ornamentals*. 1. Pearson AG, 2011.

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## **Instructional Services**

### **OAN Number:**

CTAN Approved: Career Technical Assurance Guide CTHOR002

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