

Course Code: HRT 119

Course Title: Landscape Construction and Maintenance

Department: Agricultural Technologies

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 01.0605

Repeatability: 0

Credit Hours

Catalog Notation: 3-0-3

Credit Hour Distribution:

Lecture: 3

Lab: 0

Clinical: 0

Total: 3

General Course Information

Catalog Description

Introduction to construction methods for residential and small commercial landscapes; selection and installation of plants; techniques and uses of materials related to various landscape features; preparation of cost estimates; and maintenance of landscape areas.

General Course Objectives

This course will provide an understanding of techniques used in landscaping, the ability to utilize landscape materials in an organized manner, and an understanding of construction materials used in landscape construction.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 098	Placement out of CCS 098	Placement into MAT 060

Prerequisites

None

Methods of Evaluation

The minimum methods of evaluation include: 2 projects, 5 quizzes, 5 assignments, and a final exam.

Instructional Materials and Additional Supplies

Landscape Construction, by David Sauter. Delmar Thomson Learning, Albany NY. 2000.

Course Content

General Learning Outcomes (GLOs)

- Creativity and Innovative Thinking: Students will design, present, and interpret materials, information, and ideas in innovative ways.
- Reasoning and Inquiry: Students will demonstrate the ability to solve problems using deductive reasoning and logic, quantitative reasoning, or the scientific method.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Landscape Architecture Construction Documents	1. Draw, read, and implement construction documents and drainage.	4	0	0
Site Grading and Earth Work	1. Demonstrate proper site grading. 2. Demonstrate proper site excavation and preparation.	7	0	0
Site Hydrology, Storm Water Management, and Erosion Control	1. Assess site soil conditions, drainage, compaction, and water requirements of a landscape site.	15	0	0
Installation of Plant Materials	1. Excavate existing plant materials. 2. List steps for and demonstrate containerized plant installation. 3. Maintain proper quality control during construction. 4. List and define the steps for bare root installation.	9	0	0
Construction Details of Simple Structures	1. Examine and analyze the strength of construction materials. 2. Draw basic construction detail drawings for landscape structures. 3. Demonstrate the proper procedures for concrete, block, and stone construction; irrigation installation; trenching; and low-voltage electrical installation. 4. Determine landscape design modifications.	10	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
45	0	0