

Virginia Western Community College

HRT 226

Greenhouse Management

Prerequisites

None.

Course Description

Discusses the theoretical and applied practices of managing a greenhouse facility. Emphasizes greenhouse construction and design, environmental control, energy conservation, and related topics. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

Semester Credits: 3 Lecture Hours: 2 Lab/Clinical/Internship Hours: 2

Required Materials

Textbook:

The Commercial Greenhouse. Third Edition. ISBN: 13:978-1-4180-3079-7.

Lab Manual to accompany The Commercial Greenhouse. Second Edition. ISBN: 0-8273-8099-2.

Professional Landscape Management. 3rd Edition. ISBN-1-58874-950-9.

Other Required Materials:

None.

Course Outcomes

At the completion of this course, the student should be able to:

- Have a basic knowledge and understanding of equipment and materials needed in maintaining landscapes.
- Have a basic knowledge and understanding of hardscape construction methods.
- Have a basic knowledge and understanding of plant materials, purpose (functional & aesthetic) and selection.
- Have a basic knowledge and understanding of ornamental plants and identification.
- Create 1 Landscape Management/Construction Seminar Presentation.

Topical Description

Class Number	Lecture Topics:	Lab Exercises:
Week 1	Chapter 1: Introduction to Landscape Management	Seminar Project Assigned
Week 2	Chapter 2: Marketing Landscape Management	Pavement Installation Materials & Techniques
Week 3	Chapter 3: Specifications & Contracts	Paver Installation Materials & Techniques
Week 4	Chapter 4: Estimating Landscape Management Services	Curbing Materials & Installation Techniques
Week 5	Chapter 5: Personnel Management	Wall & Step Materials & Installation Techniques
Week 6	Chapter 6: Equipment Selection & Acquisition	Fence Materials & Installation Techniques
Week 7	Chapter 7: Landscape Design & Grounds Management	Landscape Design Techniques
Week 8	Chapter 8: Pruning Landscape Plants	Plant Installation Techniques
Week 9	Chapter 9: Water Management	Drainage & Swale Materials & Installation Techniques
Week 10	Chapter 10: Fertilizing the Landscape	Pond & Pool Materials & Installation Techniques
Week 11	Chapter 11: Color in the Landscape	Field Trip to Local Nursery
Week 12	Chapter 12: Turf grass Management	Field Trip to Turf Store
Week 13	Chapter 13: Pest Management	Possible Guest Speaker or Field Trip
Week 14	No Classes	No Classes
Week 15	Chapter 14: Leaf & Debris Removal Chapter 15: Snow Removal	Possible Guest Speaker or Field Trip
Week 16	Chapter 16: The Sustainable Landscape	Sustainable Products & Installation Techniques
Week 17	Final Exam	

Notes to Instructors

- None