

# **COURSE OUTLINE**

## **HORT-220 Landscape Design and Contracting 3 Semester Hours**

### **HOWARD COMMUNITY COLLEGE**

#### **Description**

In this course, the student will be introduced to the art, aesthetics and science of residential and commercial landscape design and contracting. In addition, the student will be able to proceed with a design plan and install a proper soil, grasses, plant materials, shrubs and structures that will be manageable and lasting. The student will also be introduced to legal responsibilities and cost estimation relative to landscape contracting. (2 hours lecture, 2 hours lab)

#### **Overall Course Objectives**

Upon completion of this course, the student will be able to:

1. Design a practical and aesthetic residential property.
2. Provide comprehensive construction details and cost estimates for decks, patios, walks, retaining walls, fences, gazebos, water features and planting.
3. Analyze grading requirements, cuts and fills, and means of controlling slopes.
4. Identify the positive and negative features in site analysis.
5. Identify concepts of outdoor spatial relationships, scale, time and plant groupings for effective organic design.
6. Utilize the disciplines of cultural, microclimate and ecological needs of plants in effective planting design.
7. Identify and articulate the Principles of Design and have a solid vocabulary of horticultural terms.
8. Describe the legal responsibilities of landscape contracting.
9. Examine the History of Landscape Design and notable gardens of the world.

#### **Major Topics**

- I. Site Analysis
- II. Principles of Design
- III. Planting Design
- IV. Decks and Patios
- V. Walks
- VI. Retaining and Free-Standing Walls
- VII. Water Features
- VIII. Gazebos
- IX. Grading

- X. Installation of Plants
- XI. History of Landscape Design
- XII. Legal Responsibilities
- XIII. Cost Estimation

### **Course Requirements**

Grading/exams: Grading procedures will be determined by the individual faculty member but will include a field trip on a selected Saturday, complete residential landscape design plans and a major exam.

### **Other Course Information**

This course is a course in the Plant Science certificate program.