

Prepared by the Department of Natural Sciences and Life Fitness

Date of Departmental Approval: December 3, 2007

Date Approved by Curriculum and Programs: December 5, 2007

Effective: Fall 2008

**1. Course Number: HOR202**

**Course Title: Landscape Design and Construction**

**2. Description:** Introduction to landscape design including site analysis, estimation of costs of installation, selection of site furnishings, and construction of walks, steps and walls.

**3. Student Learning Outcomes: (Instructional objectives; intellectual skills):**

Upon successful completion of this course, students are able to do the following:

- Estimate and develop planting beds and walls.
- Draw a landscape design to scale.
- Identify construction materials for walls, patios, walks and driveways.
- Explain methods for constructing walls, patios and walks.
- Analyze and describe environmental conditions of a landscape site.
- Design and select appropriate plants for a landscape site.
- Calculate costs and create a budget for a landscape job.
- Identify wood materials and methods of construction using wood products.
- Determine plant materials and preparation requirements for various landscape situations.
- Select needed tools and equipment for landscape construction.

**4. Credits:** Three credits

**5. Satisfies General Education Requirement:** No

**6. Prerequisite:** HOR103

**7. Semester(s) Offered:** Spring

**8. Suggested General Guidelines for Evaluation:** Quizzes, Attendance, Landscape design, Performance on Construction Project and Final Exam

**9. General Topical Outline (Optional):**

- I. Value of Well Planned Landscapes**
  - a. For People
  - b. Energy and Resource Conservation
  - c. Economic value
- II. Principles of Landscape Design**
  - a. Unity
  - b. Repetition
  - c. Balance
  - d. Dominance
  - e. Scale
- III. Elements of Landscape Design**
  - a. Form
  - b. Line
  - c. Texture
  - d. Color
- IV. The Outdoor Areas**
  - a. Public Areas
  - b. General Living Areas
  - c. Service Areas

- d. Private Living Areas
- V. Site Analysis**
  - a. Family Needs and Affordability
  - b. Existing Physical Characteristics
  - c. Existing Environmental Characteristics
  - d. Existing Plant Material
  - e. Preliminary Drawing
- VI. Creation of Landscape Design**
  - a. Introduction to Drafting
  - b. Selection to Scale
  - c. Assigning and Shaping Outdoor Areas
  - d. Developing Planting Beds and Walls
  - e. Estimation and selecting Plant Materials
  - f. Estimation and Selecting Construction
- VII. Materials**
  - a. Identifying Elements
- VIII. Landscape Construction**
  - a. Acquiring Materials
  - b. Selecting Tools and Equipment
  - c. Measuring the Area
  - d. Preparing the Area
  - e. Constructing the Project