I. **OVERVIEW**
The following information will appear in the 2009 - 2010 catalog

**EHS-215 Landscape Design**

**Advisory:** Before enrolling in this course, students are strongly advised to have successfully completed EHS 201 and EHS 202.

The study and implementation of the art and science of landscape design, including principles of design, the design process, drafting, graphics, and presentation methods. Project emphasis is placed upon residential and small commercial sites. Field trips are required. Course is applicable to the associate degree.

II. **LEARNING CONTEXT**
Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. **COURSE CONTENT**

1. **Required Content:**

   a. The design principles
      i. Unity
      ii. Simplicity
      iii. Harmony
      iv. Balance
      v. Repetition
      vi. Rhythm
      vii. Sequence
      viii. Focalization
      ix. Contrast
      x. Variety
      xi. Scale
      xii. Proportion

   b. The design elements
      i. Form/shape
      ii. Mass/density
iii. Size
iv. Color
v. Value/Tone
vi. Texture
vii. Line/direction
viii. Space

c. Landscape design process
i. Introduction to the design process
ii. Client interview
   a. Determining the wants and needs of the client
   b. Determining the design goals and style of the landscaping
   c. Determining if client's wants are feasible

iii. Site plan
   a. Introduction
   b. Definition of terms
   c. Gathering existing site data
   d. How to measure the site
   e. Procedures for drawing the base plan

iv. Conceptual plans
   a. Introduction
   b. Combining the client's wants and needs and the site plan
   c. Presenting plans to client for review

v. Plant materials uses
   a. Introduction
   b. Functional use of plants
   c. Selecting plants for the landscape
   d. Renovation of existing plantings

vi. Outdoor room concept
a. Introduction

b. Outdoor spaces

c. Outdoor rooms in the residential site

d. Landscape drafting
   i. Tools/materials
   ii. Techniques

e. Layout
   i. Lettering
   ii. Symbols
   iii. CAD

f. Designer relationship
   i. Design presentations
      a. Introduction
      b. Common homeowner approaches to residential site design
      c. Initial contact by potential clients
      d. Meeting the potential clients at their home
      e. Presenting a portfolio< /li>
      f. Design fees
      g. Developing a proposal for design fees
   ii. Contractor
      a. Responsibility of each party
      b. Job requirements

g. Landscape drawings
   i. Topography drawings
   ii. Construction drawings
   iii. Construction and installation details
   iv. Working drawings
   v. Final drawings - rendering
h. Landscape considerations
   i. Local ordinances and requirements
   ii. Water conservation
   iii. Climate and energy conservation
   iv. Slopes

i. Design styles

2. **Required Lab Content:**

a. The design principles
   i. Unity
   ii. Simplicity
   iii. Harmony
   iv. Balance
   v. Repetition
   vi. Rhythm
   vii. Sequence
   viii. Focalization
   ix. Contrast
   x. Variety
   xi. Scale
   xii. Proportion

b. The design elements
   i. Form/shape
   ii. Mass/density
   iii. Size
   iv. Color
   v. Value/Tone
   vi. Texture
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c. Landscape design process
   i. Introduction to the design process
   ii. Client interview
      a. Determining the wants and needs of the client
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      a. Introduction
      b. Combining the client's wants and needs and the site plan
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      c. Selecting plants for the landscape
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   vi. Outdoor room concept
      a. Introduction
      b. Outdoor spaces
      c. Outdoor rooms in the residential site
      d. Landscape drafting
i. Tools/materials

ii. Techniques

e. Layout

i. Lettering

ii. Symbols

iii. CAD

f. Designer relationship

i. Design presentations

   a. Introduction

   b. Common homeowner approaches to residential site design

   c. Initial contact by potential clients

   d. Meeting the potential clients at their home

   e. Presenting a portfolio

   f. Design fees

   g. Developing a proposal for design fees

ii. Contractor

   a. Responsibility of each party

   b. Job requirements

g. Landscape drawings

i. Topography drawings

ii. Construction drawings

iii. Construction and installation details

iv. Working drawings

v. Final drawings - rendering

h. Landscape considerations

i. Local ordinances and requirements

ii. Water conservation

iii. Climate and energy conservation
iv. Slopes

i. Design styles

B. ENROLLMENT RESTRICTIONS

1. Advisories

Before enrolling in this course, students are strongly advised to have successfully completed EHS 201 and EHS 202.

C. HOURS AND UNITS

<table>
<thead>
<tr>
<th>INST METHOD</th>
<th>TERM HOURS</th>
<th>UNITS</th>
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<tbody>
<tr>
<td>Lect</td>
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<tr>
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D. METHODS OF INSTRUCTION (TYPICAL)

Instructors of the course might conduct the course using the following method:

1. Lecture/discussion/demonstration/audio-visual materials.
2. Discussion of assigned readings.
4. Observation and analysis of local landscapes.
5. Laboratory exercises.
6. Written assignments, weekly designs, lab reports, or evaluative quizzes and exams.
7. Group projects and presentations.

E. ASSIGNMENTS (TYPICAL)

1. EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS

Time spent on coursework in addition to hours of instruction (lecture hours)

Weekly landscape drawings designed and illustrated by the student evaluated by instructor and critiqued by class.

Written assignments that include problem solving, evaluation, planning, and implementation of design ideas.

Assigned readings from required text and supplemental sources.

Group project and presentation investigating a current issue/technique in the landscape design, or construction industry.

2. EVIDENCE OF CRITICAL THINKING

Assignments require the appropriate level of critical thinking

Present your landscape design in class for peer and instructor analysis and critiques.
Create landscape designs based upon site, customer and economic analysis.

Evaluate and discuss landscape designs and installations.

Interview clients for the final design project.

Apply the design process to solve landscape situations and meet client needs. Final exam: Draw an original, complete landscape design and formally present it to the class and, possibly, the client. Apply the elements and principles of landscape design covered in class during the semester in 1) selecting plant materials appropriate to the design concept and the environmental conditions of the site, 2) addressing the problems presented by the site and 3) in meeting the needs of the client.

F. TEXTS AND OTHER READINGS (TYPICAL)


III. DESIRED LEARNING

A. COURSE GOAL

As a result of satisfactory completion of this course, the student should be prepared to:

Draw an original, complete landscape design and formally present it to the client. Students will be able to apply the elements and principles of landscape design covered in class during the semester in 1) selecting plant materials appropriate to the design concept and the environmental conditions of the site, 2) addressing the problems presented by the site and 3) in meeting the needs of the client.

B. STUDENT LEARNING GOALS

Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. **Required Learning Goals**

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

   a. Create a functional landscape plan applying the principles and elements of design
   
   b. Demonstrate the proper use of drafting tools and graphic material
   
   c. Apply the design process to solve landscape situations and meet client needs
   
   d. Present a landscape plan to a client
   
   e. Identify and describe architectural, historical, and environmental influences on landscape design
   
   f. Identify and select plant materials according to proper environmental considerations and design principles
   
   g. Summarize the qualifications of landscape architects and others who design or plan landscape installations
   
   h. Describe various computer resources that apply to landscape design
2. **Lab Learning Goals**

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

a. Create a functional landscape plan applying the principles and elements of design.

b. Demonstrate the proper use of drafting tools and graphic material.

c. Apply the design process to solve landscape situations and meet client needs.

d. Identify and select plant materials according to proper environmental considerations and design principles.

### IV. METHODS OF ASSESSMENT (TYPICAL)

A. **FORMATIVE ASSESSMENT**

1. Evaluation of six original landscape designs, a midterm landscape design project, and a group project and presentation designed to apply the design process to solving real-life landscape design problems. Students will be expected to score greater than a 70% average for these eight design activities using the identified criteria.

2. Evaluation of three drafting exercises (Lettering Plate, Scale Problems, and Line Drawing) and two sketches (Setting up the Drawing Board and Drawing a Plan) designed to develop students skills in the proper use of drafting tools and graphic communication and scoring greater than 70 percent on each activity using identified criteria.

B. **SUMMATIVE ASSESSMENT**

1. Evaluation of final exam which requires the student to draw an original, complete landscape design and formally present it to the class and, possibly, the client. Students will be expected to score greater than a 70% on the final design using the identified criteria.