Course Syllabus

Department: Conservation / Horticulture

Date: October 12, 2012

I. Course Prefix and Number: HRT 201
   Course Name: Landscape Design I
   Credit and contact hours: 3 credit hours - 3 contact hours

Catalog Description including pre- and co-requisites:
An introduction to landscape design for those interested in reading, installing or drawing designs. Theory and principles of landscape design for private homes and/or commercial enterprises, techniques for understanding how to accurately place real world items into the drawing and drawn items into the landscape, presentation techniques, development of drawing skills, and visual communication of landscape designs on paper will be covered. Also included will be discussion of the integration of landscape design principles with elements of the environment that lead to sound ecological practices and the calculation of the quantity of materials needed to complete the installation of the project. Pre-requisite: HRT 151 - Plant Materials or permission of instructor.

Relationship to Academic programs and curriculum:
This course is an elective for both the Horticulture AAS degree and the Certificate. This course may also be taken as an elective for students outside of the horticulture program if they meet the pre-requisite requirement.

II. Course Student Learning Outcomes:
Upon the completion of this one semester course students will be able to:

A. Analyze and identify the elements at a new landscape site that will be opportunities and/or constraints within a design.

B. Use the various types of professional graphics to be able to employ graphic methods and drawing tools in various parts of the design process.

C. Utilize a creative development process to formulate design ideas while incorporating both “the client’s” needs and wishes and the site opportunities and constraints.

D. Present preliminary and final presentation of concept design visuals to selected individuals and “clients.”

E. Analyze feedback from a variety of resources to formulate a final design plan and plant selection.

F. Prepare lists of recommendations for grade changes, plant materials, plant quantities, hardscape materials, soil and mulch materials.

College Learning Outcomes Addressed by the Course:

☐ writing  ☐ computer literacy
☒ oral communications  ☒ ethics/values
III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed):

<table>
<thead>
<tr>
<th>List identified College Learning Outcomes(s)</th>
<th>Specific assessment measure(s)</th>
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</thead>
<tbody>
<tr>
<td>Oral Communications</td>
<td>Students will complete several oral presentations of designs on a regular basis to fellow students with graded formal presentations and to invited guests representing the “customer.” These would follow a specific rubric provided with that project’s outline.</td>
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<tr>
<td>Mathematics</td>
<td>Students will perform calculations for the quantity of landscape materials required to successfully install the project(s) they have designed. They will also calculate the approximate cost of the installation of the project(s) using conventional professional cost estimating and current pricing.</td>
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<tr>
<td>Critical Thinking / Problem Solving</td>
<td>Students will be required to observe and analyze the assigned site(s) using newly learned terms and technique. They will then develop a landscape design for the site(s) that must meet a variety of specific project goals and objectives.</td>
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<tr>
<td>Ethics and Values</td>
<td>Students will apply professional ethics and values to the design(s) they develop and will discuss the ramifications of the design choices to the “customer” and the instructor.</td>
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IV. Instructional Materials and Methods:

**Types of Course materials:**
- Text books
- In-class lectures and workshops developed by instructor that relate to the specific topic to be covered
- Real sites to be analyzed both on- and off-campus to meet the increasingly complex development of student skills
- Visual images presented in class with study guides provided by instructor
- Library resources

**Methods of instruction (e.g. Lecture, Labs, Seminars …):**
- Lecture with handouts, power point, videos, and visual examples
- Demonstrations of plant materials and plant identification parts
- Workshops of guided learning and practice in techniques
- Individual feedback and group discussion following various segments of technique development
- Hands-on, in-field practice of “customer” sites on and off-campus with various techniques
V. General Outline of Topics covered

a. Introduction to landscape design
   i. Titles & degree options
   ii. Various landscape design techniques and products
   iii. Introduction to the landscape design process
   iv. Time management

b. Design tools
   i. Graphic tools
   ii. On-site tools

c. Site analysis
   i. Measuring techniques
   ii. Assessing Client's needs and expectations
   iii. Various elements of site to consider
   iv. Developing a workable list

d. Developing design ideas
   i. Process for design
   ii. Introduction to idea development techniques
   iii. Selecting plant and hardscape materials
   iv. Calculating plant and hardscape materials
   v. Introduction to plant and hardscape cost estimating
   vi. Resources

e. Developing drawings
   i. Various paper options
   ii. Using drawing tools
   iii. Professional standard drawing symbols and techniques
   iv. Professional standard page layout, components, formats

f. Obtaining feedback
   i. Timing when meeting with clients
   ii. What to present to clients
   iii. Using results from clients

g. Presenting to clients
   i. Techniques
   ii. Various types of submissions