Western Technical College

10001123 Landscape Design

Course Outcome Summary

Course Information

Description	Landscape Design will emphasize drawing techniques and utilization of a computer aided drafting program. A major component of the course is to design a project emphasizing hardscaping and plant material and working with a client. A full drawing and budget presentation will be accomplished.
Career Cluster	Agriculture, Food and Natural Resources
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	72

Pre/Corequisites

Pre/Corequisite 10001158 Woody Plant Identification

Textbooks

Essential Garden Design Workbook. 3rd Edition. Copyright 2017. Alexander, Rosemary. Publisher: Workman Publishing Co. **ISBN-13:** 978-1-60469-661-5. Required.

Course Competencies

1. Analyze various landscape design elements

Assessment Strategies

1.1. Skill Demonstration
1.2. Report

Criteria

You will know you are successful when

1.1. you identify and compare functions of the front yard
1.2. you identify and compare functions of the backyard
1.3. you identify and compare functions of the side yard
1.4. you identify and compare types of planes of an outdoor space (base, vertical and overhead)
1.5. you identify and compare indoor spaces to outdoor spaces

1.6. you write a report on the scheduled industry tours

Learning Objectives

1.a. Demonstrate how a landscape site functions.
1.b. Differentiate characteristics of the front, side and back yard.
1.c. Differentiate types of planes of an outdoor spaces (base, vertical and overhead plane).
1.d. Contrast the relationship between indoor and outdoor spaces.
1.e. Examine plant and structural materials appropriate for the site.
1.f. Assess industry practices of design elements.

2. Integrate the drawing parts of a landscape design.

Assessment Strategies

2.1. Skill Demonstration

Criteria

You will know you are successful when

2.1. you draw a given design with an engineer scale
2.2. you draw a given design with an architect scale
2.3. you determine landscape quantities per scenario

Learning Objectives

2.a. Identify differences between engineer and architect scales.
2.b. Measure objects shown on a given landscape design using the engineer and architect scale.
2.c. Interpret results of the measurements using the different scales.
2.d. Draw symbols for plants, hardscapes and topographic features.
2.e. Diagram how to use direct and base line measurement along with triangulation.
2.f. Formulate landscape quantities using industry standards.

3. Respond to client desires and concerns in developing program statements.

Learning Objectives

3.a. Complete a site inventory of the location.
3.b. Complete a client interview and client questionnaire.

4. Exemplify environmental responsibility with principles of sustainability applied in all designs.

Learning Objectives

4.a. Identify the principles of sustainability that are present in your landscape design.
4.b. Identify how your landscape design achieves environmental responsibility.

5. Select plants in accordance with environmental conditions and design principles.

Learning Objectives

5.a. Select plants appropriate to hardiness zone, and other plant characteristics.
5.b. Describe how your plant selection addresses the design principles employed on this site.

6. Create a budget based on materials and plants used.

Learning Objectives

6.a. Create a plant schedule for this design, including: key, botanical names, common names, size, condition, quantity, and description.
6.b. Establish a plant cost for this landscape design.

7. Create a base plan for a landscape plan.

Assessment Strategies

7.1. Drawing/Illustration
7.2. Report

Criteria

You will know you are successful when

7.1. measure plot
7.2. locate building on plot
7.3. locate walls, doors and window for buildings

7.4. locate trees and other plant material on plot
7.5. your base plan contains the needs assessment and interview materials
7.6. your base plan contains the site survey and inventory materials
7.7. your base plan contains the site analysis

Learning Objectives

7.a. Discuss requirements for a base plan.
7.b. Determine distances and locations using devices.
7.c. Identify procedure for measuring a plot.
7.d. Identify procedure for locating buildings on a lot.
7.e. Identify ways to locate walls, doors and window in a house.
7.f. Identify the techniques for locating trees and other plant materials.
7.g. Prepare measurements for base plan.

8. Develop a functional landscape design for a landscape plan.

Assessment Strategies

8.1. Drawing/Illustration

Criteria

You will know you are successful when

8.1. you illustrate outdoor space that is reflective in length and width
8.2. you discriminate internal subdivisions within larger spaces
8.3. you illustrate the edges of the space with certain characteristics
8.4. you design circulation patterns in spaces and the movement from space to space
8.5. you illustrate focal points
8.6. you illustrate elevation changes

Learning Objectives

8.a. Categorize requirements of the functional design.
8.b. Diagram sizes of space in the landscape
8.c. Diagram the site location for each element in the design.
8.d. Draw outdoor space which are reflective in length and width.
8.e. Diagram internal subdivisions within the larger spaces
8.f. Draw edges of the spaces with certain characteristics.
8.g. Diagram circulation patterns in the spaces and the movement from space to space.
8.h. Document focal points of the design.
8.i. Document elevation changes in the design.

9. Generate a preliminary landscape design for a landscape plan.

Assessment Strategies

9.1. Drawing/Illustration

Criteria

You will know you are successful when

9.1. plan contains property lines
9.2. plan coordinates elements of the design, as they relate to placement, size, form and general material
9.3. plan uses design principles of order, unity and rhythm
9.4. plan is prepared in a semi-realistic graphic manner
9.5. plan contains outside walls, doors and windows
9.6. plan contains appropriate notes and legends

Learning Objectives

9.a. Categorize elements of the preliminary design.
9.b. Illustrate form composition which establishes a visual theme.
9.c. Illustrate spatial composition which creates outdoor rooms.
9.d. Illustrate the design in a semi-realistic graphic manner.
9.e. Illustrate a comprehensive view of the entire design.
9.f. Analyze the coordination of all the elements of the design, as they relate to placement, size, form and general material.
9.g. Analyze the appearance and aesthetics of the spaces and elements of the design.

9.h. Indicate property lines on the design.
9.i. Indicate outside walls, doors and windows on the design
9.j. Indicate appropriate notes and legends on the design.

10. Organize a master plan for a landscape design.

Assessment Strategies

10.1. Drawing/Illustration
10.2. Presentation

Criteria

You will know you are successful when

10.1. your plan contains the client name, designer name, north arrow, scale on the master plan
10.2. your plant material is labeled with scienfic and common names in a legend
10.3. your plan evaluates plant material which is appropriate for the particular use and hardy for the client's zone
10.4. your plan displays exact detail in a controlled manner
10.5. your plan is completed in a hand drawing and landscape CAD program
10.6. your plan is assembled for a client presentation

Learning Objectives

10.a. Evaluate plant selections based on client needs and climate zones.
10.b. Prepare plan legends and label for client use.
10.c. Prepare plan using naming conventions.
10.d. Prepare plan in a professional presentation.
10.e. Compile the design in a hand drawing.
10.f. Compile the design in landscape CAD program.
10.g. Justify how plan meets client needs.

11. Demonstrate a mastery of basic drafting techniques and tools.

Learning Objectives

11.a. Demonstrate professional level skills in use of all hand drafting tools.
11.b. Demonstrate through professional level drawings, your skills in drafting techniques.

12. Apply universal design principles in all projects.

Learning Objectives

12.a. Identify what universal design principles are in relation to landscape design.
12.b. Present how your landscape design achieves universal design principles.

13. Design conceptual, schematic, and master plan designs in a logical and sequential process.

Learning Objectives

13.a. Present a conceptual landscape design.
13.b. Present a schematic landscape design.
13.c. Present a landscape master plan.

14. Create aesthetic and functional landscapes in response to program statements.

Learning Objectives

14.a. Present your landscape design highlighting the aesthetic aspects of the design.
14.b. Present your landscape design highlighting the functional aspects of the design.

15. Develop graphic communication skills to represent landscape designs at the site scale.

Learning Objectives

15.a. Create a scaled plan view drawing for this landscape design.
15.b. Present additional graphic information to support your design (sketches, pictures, examples, written description, etc.)

16. Present designs in verbal, graphic and written formats.

Learning Objectives

16.a. Present your landscape design to the client via a verbal presentation.
16.b. Present your landscape design via a graphic presentation.

16.c. Present your landscape design via a written description to your client.

17. Present designs in oral presentations to class, critics, and clients.

Learning Objectives

17.a. Present landscape designs in from of the class.
17.b. Present your landscape designs to the instructor for critics.
17.c. Present your landscape design to your client.

18. Develop an understanding of the creative problem solving process used in landscape architectural practice and to apply the creative process to solving landscape architectural design problems.

Learning Objectives

18.a. Demonstrate your knowledge of the creative problem solving process through overlays.
18.b. Apply your knowledge and mastery of the problem solving process in the design of a master landscape plan.