

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

**ACADEMIC AFFAIRS**

Course Number: LAN-235 Class/Lect. Hours: 2 Lab Hours: 3 Credits: 3 Dept.: Landscape Design & Management

Course Title: Digital Landscape Graphics Semester: Spring Year: 2020

**Course Description:**

An introductory course using Computer Aided Drawing and Design (CADD) techniques to digitally represent landscape design concepts and landscape construction drawing details. Students will learn to digitally represent landscape designs and construction details with technologies used by many of today's professional landscape design and construction businesses. AutoCAD, Sketchup, and Illustrator design programs will form the basis for the course. CADD software is a critical tool used for creating 3-D digital models, plans, and construction drawings. Like many other forms of digitized media; CADD tools provide an avenue for sharing information using the Internet, e-mail attachments, and specialized CADD reader software. Students will also be introduced to the hybrid graphic techniques of enhancing digitally prepared drawings with hand rendered effects. For those wishing to gain, or improve upon their CADD skills and proficiency in digital design graphics, this course will help you to reach your goals.

Prerequisite Course: LAN-115, Presentation Techniques or equivalent hand graphic skills.

### **OBJECTIVES/COMPETENCIES**

<b>Course Objectives</b>	<b>Competencies</b>
<p>For students to recognize and select the appropriate digital design program most suitable to illustrate landscape conceptual landscape design solutions that meet the particular needs of a client.</p>	<p>The student will learn and demonstrate computer and technology literacy skills using tablets and phones that have become commonplace tools in the Landscape Design and Management fields.</p>
<p>Students will employ a variety of software products commonly used in the professional landscape industry. Programs will include AutoCADD, SketchUp, PhotoShop, Adobe Illustrator, and InDesign.</p>	<p>A brief introduction to software such as Word, Excel, Adobe Acrobat, Email, and Internet browsers and how these software products are used in Landscape Design and Management. An introduction to printing and scanning hardware.</p>
<p>Students will identify, evaluate and illustrate a variety of landscape design concepts, and then select the most appropriate as a preliminary landscape design proposal.</p> <p>Students will construct illustrations using basic drawing procedures in AutoCAD. Students will learn to select paper sizes, create a sheet border, sheet templates,</p>	<p>The student will learn about the different AutoCAD products that are used in computer-aided drawing and design.</p> <p>The student will learn how to start AutoCAD, how to load and save files, how to open and explore an existing drawing file, and how to print to a PDF file format or to a hard copy.</p>

Course Objectives	Competencies
<p>select the proper scale, apply colors, manage proper line weights, and save their setups in files for future use.</p>	<p>The student will create basic drawing shapes utilizing AutoCAD commands such as LINE, CIRCLE, COPY, MOVE, OFFSET, TEXT, and POLYLINE.                      The student will learn how to setup sheets and views in AutoCad.                      The student will develop 2-D drawings for both a residential and a commercial project.</p>
<p>Students will produce hybrid graphics by integrating digitally produced graphics with hand-rendered sketching and color enhancements.</p>	<p>The students will be introduced Sketchup software and will learn how this software can be utilized to create landscape design and construction documents.</p>
<p>Presentation The student will print out their projects and present them to a student and faculty review group at the end of the semester.</p> <p>The students will learn effective oral and graphic presentation skills through the use of periodic drawing review sessions.</p> <p>The student will learn the principles of scanning and setting up drawing underlays in order to achieve conversion to a digital format.</p>	<p>The student will learn how to enhance their presentation utilizing AutoCAD, SketchUp, PhotoShop, Illustrator, and InDesign.                      The students will learn the use of Illustrator as a vector-based tool for board layout and representation.                      The students will learn the use of InDesign as a desktop publishing tool for booklets and other representations.                      The students will learn the use of Photoshop in the production of illustrative graphics.</p>