

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: CIVL 225 Department: Civil Engineering Technology

Course Title: Architectural CAD 2 Semester: Spring Year: 1997

Objectives/Competencies

Course Objective	Competencies
<ol style="list-style-type: none">1. The student should develop an understanding of application of Autocad to architectural drafting and civil engineering.2. Prepare a set of working drawings for a residential structure from preliminary sketches.3. Prepare site plan and grading and utilities plan using civil engineering standards.	<ol style="list-style-type: none">1. Prepare basic detail symbols commonly used in architectural drawing using Autocad R13c4 in a Windows 95 and 3.1 platform.2. Understand basic methods of setting up a Prototype drawing; standards for text styles and dimension style, line types and layers. <ol style="list-style-type: none">1. Prepare a typical residential floor plan, foundation plan, details and elevations using Autocad. <ol style="list-style-type: none">1. Establish a prototype drawing for engineering standards, standards for text style, dimension style, line type and layers.2. Preparation of a site plan for the site layout and development showing property lines, structures, parking, curbs, etc.

Course Objective	Competencies
	<ol style="list-style-type: none">3. Preparation of grading plan showing existing and proposed contours.4. Preparation of the utilities plan indicating sewer, water and drainage of the site.