

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE
ACADEMIC AFFAIRS

Course Number: ARBT-225 Department: ARBT
 Course Title: Architectural CAD 2 Semester: Spring Year: 2014

Objectives/Competencies

Course Objective	Competencies
1. The student should develop an understanding of application of Autocad to architectural drafting and civil engineering.	1. Prepare basic detail symbols commonly used in professional architectural drawing software such as provided by Autodesk. 2. Understand basic methods of setting up a Prototype drawing; standards for text styles and dimension style, line types and layers.
2. Prepare a set of working drawings for a residential structure from preliminary sketches.	1. Prepare a typical residential floor plan, foundation plan, details and elevations.
3. Prepare site plan and grading and utilities plan using civil engineering standards.	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.