

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: CIVL 250 Department: Civil Engineering Technology
Course Title: Advanced CAD for Construction Semester: Spring Year: 2010

Objectives/Competencies

Course Objective	Competencies
1. The student should develop an understanding of application of Civil 3D. 2. Prepare a set of working drawings for a linear construction project. 3. Prepare site plan and grading and utilities plan using civil engineering standards. 4. Utilize productivity tools.	1. Prepare basic site plan showing property lines, contours, and construction details. 2. Understand basic methods of setting up a Prototype drawing; standards for text styles and dimension style, line types and layers. 1. Prepare a typical road layout. 2. Prepare cross sections. 1. Prepare a site plan for the site layout and development showing property lines, structures, parking, curbs, etc. as well as planned construction and the affected area. 2. Prepare a grading plan showing existing and proposed contours. 3. Prepare a utilities plan indicating sewer, water and drainage of the site.