

SRVY 1301
Introduction to Surveying

Western Texas College

- I. Basic Course Information
 - A. Course description— An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/ print to scale
 - B. Prerequisites--Students should have a proficiency in computer and internet usage.
- II. Student Learning Outcomes
 - A. Identify the coordinate systems
 - B. Complete the setup of a drawing
 - C. Complete the creation and modification of geometry
 - D. Demonstrate the creation and use of text, dimensions, storing and retrieving predefined shapes, and using layers
 - E. Demonstrate the ability to plot/print to scale.
- III. Major Course Requirements
 - A. Validation of Skills: There will be two major validations of skills during the semester. The validation of skills will be scheduled with your instructor for an on-site assignment. If you are unable to attend a TSTC campus, you will need to have the assignment proctored by an approved proctoring service. Arrangements for the proctor will need to be made at the beginning 2 weeks of the course.
 - B. Drawing Assignments: There will be multiple drawing assignments in each Unit of the course.
 - C. Assignment Discussion Forum: There will be a discussion forum for every unit assignment during the course. Each discussion will take place online, making use of the college's online platform—Moodle.
- IV. Information on Books and Other Course Materials
 - A. Laptop Computer meeting minimum requirements.
 - B. High Speed Internet Connection
- V. Other Policies: Please refer to the Western Texas College Course [Catalog](#) for the following:
 - A. Campus Calendar
 - B. Final Exam schedule
 - C. How to drop a class
 - D. Withdrawal information
 - E. Student Conduct/Academic Integrity

F. Students with disabilities
VI. Course Organization and Tentative Schedule*

Unit 1- Week 1	Syllabus, Introduction, and Software Installation
Unit 2- Week 2	Introduction to Civil Drafting, CADD
Unit 3- Week 3	Mapping Scales, Map Symbols
Unit 4 – Week 4	Surveying Fundamentals, Location and Direction, Legal Descriptions
Unit 5 - Week 5	Contour Lines
Unit 6 - Week 6	Horizontal Alignment Layout
Unit 7 - Week 7	Profiles
Final	

*The above schedule, policies, procedures, and assignments in this course are subject to change.

Last Modified: August 19, 2015