



Spring 2012  
CAD\* K106 T1 - Computer-Aided Drafting CRN 10264  
CAD\* K107 T1A - Lab, Computer-Aided Drafting CRN 10270

## Syllabus

Instructor: Bob Riley

### Communications:

Phone Number- (860) 564-6422 ext. 1212

Email Addresses- [rileyb@plainfieldschools.org](mailto:rileyb@plainfieldschools.org) primary

[riley@trcc.commnet.edu](mailto:riley@trcc.commnet.edu) secondary

Blackboard Vista tertiary (but not recommended)

Class lectures and labs are in room E-116- Tuesday 5:30 – 9:50

### Description:

The course introduces tools and techniques of AutoCAD 2012 covering draw commands, editing, dimensioning, hatching, layers, blocks, plotting and a variety of entry-level techniques and settings.

### Course Outcomes:

- Learn AutoCAD draw commands.
- Effectively use edit and modify commands.
- Manage drawings using layers, line types and color.
- Manage the Dim Style Manager.
- Create basic drawings.
- Apply knowledge to applications of Science, Technology, Engineering, and Mathematics. (STEM)
- Identify, analyze and solve technical drawing problems.
- Communicate effectively through the use of AutoCAD
- Demonstrate proficiency in the use of AutoCAD

### Required Textbook(s) and materials:

AutoCAD and its Applications 2012 Basic or Comprehensive

By Terence M. Shumaker / David A. Madsen 2012

(This class will only use the Basic section of the Comprehensive version)

Some form of storage media: Flash Drive.

### Grading:

Quizzes and exams will cover assigned drawing skills from lab drawings, reading and materials discussed in class. Homework and project assignments are announced in class. Lab and lecture assignments are due on the next scheduled class; projects are due on the designated date. Assignments will be grade on professionalism, accuracy, proficiency, and completeness according to the drawing rubric.

			GRADES		
Grading Breakdown:			A	94-100	4.0
Lecture:			A-	90-93.5	3.7
Class work	=75%		B+	87-89.5	3.3
Weighting			B	83-86.5	3.0
Test	5		B-	80-82.5	2.7
Quizzes	3		C+	77-79.5	2.3
Chapter Q's	1		C	73-76.5	2.0
Other written	1		C-	70-72.5	1.7
Mid-term	=10%		D+	67-69.5	1.3
Final Exam comprehensive	=15%		D	63-66.5	1.0
Lab:			D-	60-62.5	0.7
Weekly assignments:	=75%		F		0.0
Weighting					
Tests	5				
Quizzes	3				
Class exercises/problems					
Weighted Individually					
Weighted Concept					
Power Point portfolio	=10%				
Final Exam comprehensive	=15%				

DATE	WEEK	CONTENT	ASSIGNED READING
Jan 24	1	Course Introduction TRCC Network- Black Board Visa Windows Basics Starting AutoCAD Menu Systems Coordinate Systems Basic Text Intro Power Point Your Portfolio Software for home	Chapters 1 2
Jan 31	2	Introduction to Drawing and Editing	3
Feb 7	3	Basic Object Commands	4
Feb 14	4	Modifying Objects Arranging and Patterning Objects	11 12
Feb 21	5	Line Standards, Layers, View Tools and Basic Plotting Text Styles and Multiline Text	5 6 9
Feb 28	6	Object Snaps (osnaps) Obtaining Drawing Information	7 15
Mar 6	7	Construction Tools & Multi-view Drawings Polylines Making a Prototype Template	8 14
Mar 13	8	Mid-Term exam	

Mar 27	9	Linear and Angular Dimensioning Dimensioning Features	17 18
Apr 3	10	Dimension Standards and Styles Editing Dimensions	16 20
Apr 10	11	Standard Blocks Block Attributes	24 25
Apr 17	12	Section Views and Graphic Patterns	23
Apr 24	13	Power Point Portfolio Due Final Exam Review	
May 1	14	Final Exam	Comprehensive
May 8	15	Make-Up Open Lab	

The instructor reserves the right to revise information contained herein. Changes, if any will be announced in class

Please make sure that you are aware of the **Academic Integrity Policy**

*Academic integrity is essential to a useful education. Failure to act with academic integrity severely limits a person's ability to succeed in the classroom and beyond. Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by the College. In this class and in the course of your academic career, present only your own best work; clearly document the sources of the material you use from others; and act at all times with honor.*

## ATTENDANCE

Students are expected to attend class regularly. No absences of any nature will be construed as relieving you from the responsibility for the completion of all work assigned by the instructor. Absences are discouraged because interaction with the instructor and classmates is an integral part of learning. Class instruction provides an opportunity for you to observe, comprehend, work on in-class assignments, ask questions and participate in discussions.

Unexcused absences from quizzes and exams will result in a score of zero. Excused absences must be submitted in writing, and be made in advance of the quiz or exam. Arrangements are to be made up on an individual basis with the instructor.

## PEOPLE WITH LEARNING DISABILITIES

If you have a learning disability that will affect your ability to successfully complete this class, contact Assistance-Learning Disabilities. Assistance- Learning Disabilities will be able to assist you if you have or determined to have a learning disability and provide you with the necessary paperwork for accommodations.

### Assistance - Learning Disabilities Contact

Chris Scarborough - Learning Disabilities Specialist

Phone: 860-412-7286

E-mail: [cscarborough@trcc.commnet.edu](mailto:cscarborough@trcc.commnet.edu)

Also, if you need additional help or tutoring take advantage of the Tutoring and Academic Success Center.

### Combined Tutoring Center & Writing Center

TASC is located in Rm. C-117, next to the Library.

- **860.892.5713**
- **TASC Main Addresses:** [TASC@trcc.commnet.edu](mailto:TASC@trcc.commnet.edu) or [TRWritingCenter@trcc.commnet.edu](mailto:TRWritingCenter@trcc.commnet.edu)