



Fall 2014

CAD* K106 T3 - Computer-Aided Drafting CRN 30367

CAD* K107 T3A - Lab, Computer-Aided Drafting CRN 30368

Syllabus

Instructor: Bob Riley

Communications:

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

Email Addresses- rriley@trcc.commnet.edu

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

Description:

The course introduces tools and techniques of AutoCAD 2015 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 2015 Basic or Comprehensive

By Terence M. Shumaker / David A. Madsen

(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 graded on professionalism, accuracy, proficiency, and completeness according to the drawing rubric.

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

DATE	WEEK	CONTENT	ASSIGNED READING
Aug 28	1	Course Introduction TRCC Network- Black Board Windows Basics Starting AutoCAD Menu Systems Coordinate Systems Basic Text Intro Power Point Your Portfolio Software for home	Chapters 1 2
Sept 4	2	Introduction to Drawing and Editing	3
Sept 11	3	Basic Object Commands	4
Sept 18	4	Modifying Objects Arranging and Patterning Objects	11 12
Sept 25	5	Line Standards, Layers, View Tools and Basic Plotting Text Styles and Multiline Text	5 6 9
Oct 2	6	Object Snaps (osnaps) Obtaining Drawing Information	7 15
Oct 9	7	Construction Tools & Multi-view Drawings Polylines Making a Prototype Template	8 14
Oct 16	8	Mid-Term exam	

Oct 23	9	Linear and Angular Dimensioning Dimensioning Features	17 18
Oct 30	10	Dimension Standards and Styles Editing Dimensions	16 20
Nov 6	11	Standard Blocks	24
Nov 13	12	Section Views and Graphic Patterns	23
Nov 20	13	Power Point Portfolio Due Final Exam Review	
Nov 27	14	No Class Thanksgiving Break	
Dec 4	15	Make-Up Open Lab	
Dec 11	16	Final Exam	Comprehensive

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

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 or TRWritingCenter@trcc.commnet.edu