



Fall 2016
 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- riley@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 2016 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 2016 Instructor
 By: James A Leach SDC Publications
 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:				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 CHAPTERS
Sept 1	1	Course Introduction TRCC Network- Blackboard learn Windows Basics Starting AutoCAD Menu Systems Coordinate Systems Basic Text Intro Power Point Your Portfolio Software for home	1 2 3
Sept 8	2	Basic Setup and Draw Commands	5 6 8
Sept 15	3	Draw Commands	15
Sept 22	4	Selection Sets Modifying Objects	4 9&16
Sept 29	5	Line Standards, Layers, View Tools and Basic Plotting Text Styles and Multiline Text	11 10 18
Oct 6	6	Object Snaps (osnaps) Obtaining Drawing Information	7 17
Oct 13	7	Construction Tools & Multi-view Drawings Making a Prototype Template	24 12
Oct 20	8	Mid-Term exam	
Oct 27	9	Linear and Angular Dimensioning Dimensioning Features	28
Nov 3	10	Dimension Standards and Styles Editing Dimensions	29
Nov 10	11	Standard Blocks	21
Nov 17	12	Section Views and Hatching	26
Nov 24	13	No Class Thanksgiving Break	
Dec 1	14	Power Point Portfolio Due Using AutoCAD with 3DSMAX Final Exam Review	
Dec 8	15	Make-Up Open Lab	
Dec 15	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.

DIGICATION

All students are required to maintain an online learning portfolio using a TRCC designed template. Through this electronic tool, students can see their own growth in college-wide learning. The student can keep and continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select random works to improve the college experience for all. No names will be attached to the assessment work; it will remain private and anonymous for college improvement purposes. In class outlines, students will find recommended assignments which support various college-wide learning abilities. The student will have a tool which can integrate their learning from the classroom, school, and life and allow for another opportunity of learning at TRCC! Students will be able to make multiple portfolios.

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

Matt Liscum - Counselor

Phone: 860-215-9265

E-mail: mliscum@trcc.commnet.edu

Elizabeth Willcox – Advisor

Phone: 860-215-9289

E-mail: ewillcox@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**

FALL 2016 Standard 15 Week Session

Aug 25	New Student Orientation
Aug 28	Registration deadline and last day to drop classes for full tuition refund - online (Aug 26 - in person)
Aug 29	Classes begin, Add and Drop Periods Begin
Sep 5	Labor Day - college closed
Sep 6	Last day for registered students to add a class
Sep 7	Convocation
Sep 11	Last day to drop classes and partial tuition refund
Sep 16	Constitution Day (observed) - classes in session
Sep 26	Last day to select audit option
Oct 14	Professional Day
Oct 31	Advising day (classes in session)
Nov 1	Continuing Degree-Seeking Student Registration for Winter '16 Intersession and Spring '17 Semester Advising day (classes in session)
Nov 7	Last day to select pass/fail option, last day to submit incomplete work from Spring '16 and Summer '16
Nov 15	New Student and Non Degree-Seeking Student Registration for Winter '16 Intersession and Spring '17 Semester, and last day to apply for spring graduation (May '17)
Nov 23	College Open - No classes in session
Nov 24-27	Thanksgiving Recess
Dec 6 & 9	Reading/make-up days
Dec 9	Last Day to withdraw from classes
Dec 16	Last Day of 15 Week Session
Dec 23	Final grades due to Registrar's Office
Dec 26	Christmas Day Observed - college closed
Dec 28	Grades available on web