

COLLEGE OF DUPAGE
Architecture 1211 - Basic CADD-AutoCAD

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ARCHITECTURE 1211
SUMMER SEMESTER 2011
Monday / Wednesday 5:30 – 10:00pm
Location: TEC 2006

<u>Course Name:</u>	Basic CADD-AutoCAD
<u>Credit and Contact Hours:</u>	3 credit hours (1 lecture hours/ 4 lab hours)
<u>Prerequisites:</u>	
Required:	Completion of a technical drafting course or drafting experience
<u>Textbook: Required</u>	<u>Harnessing AutoCAD 2010</u> , Stellman, Krishnan ISBN-13: 978-1-4390-5564-9
<u>Materials: (Required)</u>	Flash drive or CD storage space

Course Description:

The first of a two-course sequence introducing computer-aided drafting using AutoCAD CADD software. Topics include file creation and management, entity creation and manipulation, text placement, blocks and plotting and all fundamental 2-d components. Intended for students in technical drawing fields. Also appropriate for design professionals, supervisors and managers who desire an understanding of CADD.

Attendance:

Students are expected to attend all classes. There is a great deal of work that the students are expected to complete in this class. Absences will severely limit your ability to complete the required assignments. Excused absences must be reviewed with the instructor. If you know you will be missing a class you must review it with the instructor *before* the missed class and all work due must be turned in ahead of time. If you miss class for illness or an emergency any assignments due must be turned in at the beginning of your first class back. Points may be subtracted if you do not contact the instructor and fail to attend on a regular basis. Lab time is intended for you to complete your assignments. I must be able to review your progress with you face to face in the lab throughout the semester as this is a part of the evaluation process. You may not receive credit for work not completed during the scheduled lab time.

Late Work:

Late assignments will be reduced by one letter grade.

Withdrawal:

I will give permission for students to withdraw up to the next to last week of the semester. I will *not* give permission during the last week. It is the student's responsibility to request permission to withdraw and to bring the withdrawal form to registration.

Incomplete:

Incompletes will only be granted for serious illness and emergencies or unforeseeable situations outside of the student’s control. Students must be current on all assignments prior to the emergency to be granted and incomplete. The student must request an incomplete by the next to last week of the semester. It is the student’s responsibility to request an incomplete grade.

Electronics:

Pagers, cell phones, and listening devices will be turned off during class. If you are on call or have extenuating circumstances please discuss them with me outside of class.

Academic Honesty:

Any violations of College of DuPage policies regarding academic honesty and/or integrity will be referred automatically to the appropriate College authorities for disposition. See appropriate pages in the college catalog for definitions and regulations. ***Any violations of academic honesty policy will result in failure of the course.***

Student Network Directories:

The network directories given to you by the college are only to be used for work related specifically to this course. Student directories are monitored and may only contain course related files. Please refer to board policy #6114 for your rights and responsibilities.
<http://www.cod.edu/it/security/WebsiteECommAwarenessPhamplet.htm>

General Note:

In order to achieve the course objectives, it is essential that you enjoy the class in addition to complying with the above requirements and the rules and policies of College of DuPage contained in the catalog and other College materials. If you are having course/College related problems, please feel free to talk to me so that we can resolve them to your satisfaction and benefit.

Method of Evaluating Students:

Grading:
Point Distribution:

- 1-Homework-----10 pts.
- 10-Project Exercises (5 pts ea.)-----50 pts.
- 57-Exercises (screen check, 10 pts ea.)-----570 pts.
- 7-Plots (printed, 20 pts ea) -----140 pts.
- Final Project / Portfolio-----100 pts.
- Final Exam -----100 pts
- In Class Drawing – Timed 2 Hours

Final Grades will be assigned as follows:

<u>Accumulated Points</u>	<u>Grade</u>
873-970.....	A (90%-100%)
776-872.....	B (80% - 89%)
679-775.....	C (70% - 79%)
582-678.....	D (60% - 69%)
581 or lower	F (0% - 59%)

Schedule: (Tentative / Subject to CHANGES)

Week	Day	Date	Lecture	Class Assignment	Exercises (screen check)	Plots
1	M	May 23	Chapter 1 – Getting Started Intro / Logins / myCOD Starting AUTOCAD Command and Input Methods Using Dialog Boxes Getting Help Starting a Drawing Setting up a drawing Saving a drawing	Project Exercise 1-1 (create a test drawing from scratch) Beginning and Opening Drawings Changing Units Changing Limits Saving Files	Homework 1	
	W	May 25	Chapter 2 – Fundamentals I Constructing Geometric Figures Coordinate Systems Object Selection Modify Commands	Project Exercise 2-1	2-1 2-2 2-3 2-6 2-10 2-18 2-19 2-21	
2	M	May 30	NO CLASS: MEMORIAL DAY			
	W	June 1	Chapter 2 – Fundamentals I Modify Commands Basic Plotting			
3	M	June 6	Chapter 3 – Fundamentals II Accuracy Enhancement Display Control Setting Multiple Viewports Layer System Setting Linetype Scale Factor U, Undo and Redo commands	Project Exercise 3-1	3-1 3-4 3-7 3-9 3-12	
	W	June 8	Chapter 4 – Fundamentals III Drawing Construction Lines Drawing Text Editing Text Spell Checking Find and Replace Text	Project Exercise 4-1	4-2 4-6 4-7 4-8 4-9 4-10 4-12 4-19	
4	M	June 13	Chapter 4 – Fundamentals III Creating and Modifying Text Styles Controlling the Display of Text Creating Obj from Existing Obj Modifying Objects			
	W	June 15	Chapter 5 – Fundamentals IV Constructing Geometric Figures Object Selection Object Selection Modes Modify Commands	Project Exercise 5-1	5-2 5-4 5-6 5-8 5-9 5-11 5-12 5-15	
5	M	June 20	Chapter 6 – Fundamentals V Multilines Spline Curves Wipeout Revision Cloud Editing with Grips Quick Select Object Property Manager	Project Exercise 6-1	6-6 6-7 6-8 6-9 6-12 6-14 6-18	
	W	June 22	Chapter 6 – Fundamentals V Cut/Copy/Paste Support Grouping Objects Filter – Selection sets			

6	M	June 27	Chapter 7 – Dimensioning Dimensioning Terminology Associative / Normal Dimensions Dimensioning Commands Editing Dimension Text Dimstyle Manager Overriding the Dimension Feature	Project Exercise 7-1 (uses PX 4-1)	7-1 7-5 (5-4) 7-6 (6-6) 7-8 (3-7) 7-9 (4-7) 7-10 (4-9) 7-11 (4-6) 7-13 (4-12)	
	W	June 29	Chapter 8 – Plotting / Printing New Plotting Dialog Add a Plotter Wizard User Defined Page Setups Plot Styles Plotting a Drawing Batch Plotting	Project Exercise 8-2		7-5 (5-4) 7-6 (6-6) 7-8 (3-7) 7-9 (4-7) 7-10 (4-9) 7-11 (4-6) 7-13 (4-12)
7	M	July 4	NO CLASS: 4TH OF JULY HOLIDAY			
	W	July 6	Chapter 9 – Hatching and Boundaries What is Hatching? Defining the Hatch Boundary New Bhatch Dialog Bhatch vs. Hatch Editing Hatches Controlling the Visibility of Hatch Patterns	Project Exercise 9-1	9-6 9-7 9-9 9-13	
8	M	July 11	Chapter 11 – Block Ref and Attributes Creating Blocks Inserting Blocks Nested Blocks Explode Command Multiple Inserts of Blocks Inserting Unit Blocks Creating one drawing from another Base Commands Attributes Dividing Objects Measuring Objects	Project Exercise 11-1a	11-2 11-3 11-4 11-5	
	W	July 13	Chapter 12 – Ext Ref and Design Center Using External References External Reference Dependent Symbols Attaching and Manipulating with XREF Command Adding Dependent Symbols to Current Drawing Controlling the Display of External References Editing Reference Files / XREF edit Control In-Place Xref and Block Editing Copy objects from Reference Drawings Dimming Management of External References Inserting Images into the Current Drawing Design Center Review CH 11, 12 Discuss Final Project Final Exam Review	Project Exercise 12-1	12-1 (a,b,c,d) 12-3 (a,b,c,d) 12-4 12-1 = 20pts 12-3 = 20pts	
	M	July 18	Final Exam (TIMED 2HR DRAWING)	Final Project / Portfollio: 10 best drawings plotted on 11x17 in a presentable manner. Bound with cover page		

Note: All work, including screen checked assignments must be saved in your student directory for credit.