Course Name: Basic CADD-AutoCAD
Credit and Contact Hours: 3 credit hours (1 lecture hours/4 lab hours)
Prerequisites: Required: Completion of a technical drafting course or drafting experience
Textbook: Required Harnessing AutoCAD 2009, Stellman, Krishnan
Materials: (Required) 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:

Incomplete 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:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Homework</td>
<td>10 pts</td>
</tr>
<tr>
<td>10-Project Exercises</td>
<td>50 pts</td>
</tr>
<tr>
<td>57-Exercises (screen check)</td>
<td>570 pts</td>
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<tr>
<td>7-Plots (printed)</td>
<td>140 pts</td>
</tr>
<tr>
<td>Final Project / Portfolio</td>
<td>100 pts</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100 pts</td>
</tr>
<tr>
<td>In Class Drawing – Timed 2 Hours</td>
<td></td>
</tr>
</tbody>
</table>

Final Grades will be assigned as follows:

<table>
<thead>
<tr>
<th>Accumulated Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>873-970</td>
<td>A (90%-100%)</td>
</tr>
<tr>
<td>776-872</td>
<td>B (80% - 89%)</td>
</tr>
<tr>
<td>679-775</td>
<td>C (70% - 79%)</td>
</tr>
<tr>
<td>582-678</td>
<td>D (60% - 69%)</td>
</tr>
<tr>
<td>581 or lower</td>
<td>F (0% - 59%)</td>
</tr>
<tr>
<td>Week</td>
<td>Day</td>
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<tr>
<td>------</td>
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<tr>
<td>1</td>
<td>M</td>
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<td></td>
<td>W</td>
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<td>2</td>
<td>M</td>
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<td>W</td>
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<td>3</td>
<td>M</td>
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<td>W</td>
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<tr>
<td>4</td>
<td>M</td>
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<td>W</td>
</tr>
<tr>
<td>5</td>
<td>M</td>
</tr>
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<td></td>
<td>W</td>
</tr>
</tbody>
</table>
| 6 | M | June 28 | **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  
7-4 (5-4)  
7-5 (6-5)  
7-7 (3-7)  
7-8 (4-7)  
7-9 (4-9)  
7-10 (4-6)  
7-11 (4-12) | 7-4 (5-4)  
7-5 (6-5)  
7-7 (3-7)  
7-8 (4-7)  
7-9 (4-9)  
7-10 (4-6)  
7-11 (4-12) |
| W | June 30 | **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 (6-5)  
7-7 (3-7)  
7-8 (4-7)  
7-9 (4-9)  
7-10 (4-6)  
7-11 (4-12) |
| 7 | M | July 5 | **NO CLASS: 4TH OF JULY HOLIDAY** |
| W | July 7 | **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  
9-11 |
| 8 | M | July 12 | **Chapter 10 – 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 10-1a  
10-2  
10-3  
10-4  
10-5 |
| W | July 14 | **Chapter 11/12 – 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 11-1  
11-1 (a,b,c,d)  
11-3 (a,b,c)  
11-4  
11-5  
11-7 (roads and contours only) |
| M | July 19 | **Final Exam**  
(TIMED 2HR DRAWING) | Final Project / Portfolio: 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.