

THS 206-00-2 **Computer Graphics and Design**

3credit

Tuesdays and Thursdays: 9:30am – 10:45am

Classroom: BHA 4

Instructor: Kevin Gallagher

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Office: TCC 334

Ext 3439

Email to schedule an appointment

Text: AutoCAD 2005 and AutoCAD LT 2005 Bible by Ellen Finkelstein

The purpose of this course is to provide an understanding of the features, commands and applications of AutoCAD LT 2005 on a PC compatible microcomputer. The course is tailored to service all disciplines which require methods of graphic communication, such as art, architecture, design, drafting, engineering and facilities planning.

This is a lab-oriented course. Class will begin with discussion of concepts and commands followed by actual exercises provided by the text or the instructor. At the end of each chapter is a series of exercises, some of which will be performed in class. It is strongly recommended that you attempt all of the exercises, outside of class, to increase your familiarity and efficiency with all of the commands.

Project assignments, for the semester, will be given on the first day of class. These projects relate directly to the chapters of the text being discussed. These projects may require a significant investment of time, both in planning and execution. Be prepared. All projects should be saved to a floppy disk. The floppy disk and hard copies should be turned in on the appropriate due date.

There will be a Final Project which will be due on the Exam day. The instructor will provide examples of what is acceptable. Discussion between the instructor and student will determine Final Project Assignments on an individual bases. (Designing a House, Ground Plan and Design Elevations for a Play, etc.) Each student may be assigned a different Final Project. In all cases, these projects should begin immediately. There will be a significant amount of planning prior to detailing it on the computer. Progress on your project will be shown, in a presentation format, to the class, on Midterm Project Presentation Day which will be 5/5/09. Final Projects should be saved to a floppy disk and hard copies should be turned in on Exam Day.

AutoCAD LT 2005 is available on PCs in BHA 4. You must use this software for all assignments. The lab is open whenever the building is open and there should be sufficient hardware available for all students in the class. Manage your time wisely. Check with the registrar about conflicts in this lab.

Objectives:

1. Teach software application AutoCAD LT 2005.
2. Demonstrate the practical applications of software.
3. Successfully apply software to individualized creative project.

Outcome #1: Student will demonstrate understanding of AutoCAD LT 2005 command structure.

Assessment #1: Student will complete drawing projects provided by instructor. There will be homework assignments and several classroom projects.

Outcome #2: Student will demonstrate understanding and ability to apply software to realistic objects.

Assessment #2: Student will complete drawing projects provided by instructor. There will be homework assignments and several classroom projects.

Outcome #3: Student will successfully complete a creative drawing project.

Assessment #3: Students will complete a formal presentation of their final project.

Grades:	Projects 1 through 10:	20 points each	(200 total)
	Midterm:	50 points	
	Final:	100 points	

THS 206 Syllabus

(Subject to Change)

Jan 20: Project Discussion. Quick Tour.

Jan 22: Getting started.

Jan 27: Getting started continued.

Jan 29: Draw Commands, Drawing Aids and Edit Commands.

Project 1 Due.

Feb 3: Draw Commands, Drawing Aids and Edit Commands.

Written Description of Final Project Due

Feb 5: Draw Commands, Drawing Aids and Edit Commands.

Project 2 Due.

Feb 10: Controlling Drawing Display and Creating Text.

Feb 12: Controlling Drawing Display

Project 3 Due.

Feb 17: Dimensioning.

Feb 19:	Dimensioning.	Project 4 Due.
Feb 24:	Grips and Hatching.	
Feb 26:	Grips and Hatching.	Project 5 Due.
Mar 3:	Midterm Lab	
Mar 5:	Midterm Presentation	
Mar 10:	Spring Break	No Classes
Mar 12:	Spring Break	No Classes
Mar 17:	Blocks.	
Mar 19:	Blocks.	Project 6 Due.
Mar 24:	Isometric Drawing.	
Mar 26:	Isometric Drawing.	Project 7 Due.
Mar 31:	Isometric Drawing.	
Apr 2:	Isometric Drawing.	
Apr 7:	User Coordinate System.	Project 8 Due.
Apr 9:	Model Space/Paper Space Viewports and Viewing Objects in 3D.	
Apr 14:	No Class / Monday Schedule	
Apr 16:	Model Space/Paper Space Viewports and Viewing Objects in 3D.	Project 9 Due.
Apr 21:	Final Project Lab.	
Apr 23:	Final Project Lab.	Project 10 Due.
Apr 28:	Final Project Lab.	
Apr 30:	Final Project Lab.	
May 5:	Final Project Presentations	