

TXMI 5330 COMPUTER AIDED RESIDENTIAL DESIGN
Course Syllabus
FALL 2004

Department of Textiles, Merchandising and Interiors
University of Georgia

Instructor:	Prof. Schueneman
Office Location:	361 Dawson Hall
Office Hours:	9:00am -10:00am (MWF), 9:00am-11:00am (TR) or by appointment
E-mail:	dawn@fcs.uga.edu
Credit/Clock Hours:	3 credit hours/ 6 hours lab
Class Time:	1:25-3:20 (MWF)

Course Description and Objectives

The course is an introduction to the general knowledge and basic skills in both 2D drawings and 3D modeling using AutoCAD.

Upon successful completion of this course, the student should be able to:

- Demonstrate skills in 2D drawings; floor plans, elevations, sections using CAD software,
- Organize the drawing entities by layers; assign colors and linetypes to layers,
- Create reference symbols and drawing titles,
- Set a dimension style and use dimension commands,
- Build a 3D model and set up one-point and two-point perspective views,
- Attach/detach external reference file; import symbols from the AutoCAD symbol library,
- Set up lighting for an interior space; apply texture and render surface materials,
- Plot from Model Space and Paper Space.

Required Textbooks and Materials

- Feng, J. (2002). Basic AutoCAD for Interior Designers Using AutoCAD 2002. New Jersey: Prentice Hall.
- Finkelstein, Ellen. AutoCAD 2002 Bible.
- Two Zip disks
- Package of 3x5 cards
- Projects from TXMI 3360 and 3380
- Scaled ruler

Class Structure

Combination of lecture, group discussion, media, handouts, quizzes (some may not be announced), open lab activities, exercises, and projects.

Class Policies:

- **Academic Honesty:** Any student turning in work that is not their own work or is discovered cheating on any quiz, project, exam or assignment will receive an "F" for the course, their actions will become a permanent part of their academic record, and they will be recommended for disciplinary action according to the University handbook and policies.
- **Attendance:** Attendance will be taken at the beginning of each class. A maximum of three absences are allowed, including excused and unexcused absences. Each absence afterwards will result in five points (1/2 letter grade) being deducted from the final grade earned for the class.

Students are responsible for making up missed work and acquiring materials given out in class. It is not necessary to call the instructor to notify of absence.

- **Tardiness:** Students are expected to be in their seat at the start of class. Four tardies will count as an absence. It is the student's responsibility to inform the instructor of their presence at the end of class.
- **Leaving Class Early:** Students may not leave class until they are dismissed by the teacher. Leaving before the end of class without permission will result in an absence.
- **Class Participation:** Students are to be prepared for class, to bring textbook and disk to all classes, to spend most of class working on assignments or projects, to pay attention and not socialize excessively, and to **not** read and/or work on materials and projects unrelated to this course or check e-mail during class time. Failure to comply will result in being counted absent for class.
- **Cell Phones:** Cell phones are to be turned OFF. Students may use in hall during designated breaks.
- **Due Dates:** All work will be due at the beginning of class date given unless otherwise stated.
- **Late Work:** Late work will receive an "F," except for documented excuses (see below).
- **Documented Excuses:** Make-up exams and late work will considered in cases of unavoidable situations and personal/family emergencies. A written request and explanation is to be given to the instructor personally as soon as possible, and **MUST** be accompanied with valid documentation supporting delay and/or absence.
- **Web-CT:** Each student enrolled in the course is responsible for regularly checking the Web-CT site for the purpose of instructor's announcements and updates related to course.
- **Electronic Files:** All electronic files created for course work are the responsibility of the student. Each student must maintain **back-up** files for **all work**. Damaged or erased computer files will be considered incomplete work and will be evaluated as if the assignment/project was not completed. Please save regularly and make certain all assignments are properly saved before submission.
- **Submitting Drawings:** Each assignment must be submitted in the following format: Your first initial followed by your last name followed by the exercise or project number. Example: dschuenemanexercise1.
- **Course Modifications:** The instructor may find it necessary at times to modify course syllabus, project requirements, evaluation methods, and so forth. Students will be notified in advance
- No food/drink is allowed in the computer lab!

Evaluation:

- Exercises and Assignments 30%
- Quizzes 10%
- Project # 1 20%
- Project # 2 (Final) 40%

Grading Scale:

- 90% - 100% = A
- 80% - 89% = B
- 70% - 79% = C
- 60% - 69% = D
- 00% - 59% = F

TENTATIVE COURSE SCHEDULE

DATE	TOPIC	READING*	Assignment(s) Due
Day # 1 August 20 (F)	Introduction Course Syllabus AutoCAD Basics	Finkelstein Chaps. 1-3	Collect textbooks and supplies.
Week #1			
August 23	AutoCAD Basics, Drawing Simple Lines	Finkelstein Chaps.4-6	
August 25	Drawing Basics Cont..	Finkelstein Chaps.7-8	
August 27	Drawing Curves and Point Objects, Viewing Your Drawing		Line Exercise
Week #2			
August 30	Editing your Drawing	Finkelstein Chap.9	Curve Exercise
September 1	Editing Cont...		
September 3	Advanced Editing	Finkelstein Chap. 10	
Week #3			
September 6	Holiday	No Class	
September 8	Drawing a Floor Plan	Feng Chap. 2	Editing Exercise
September 10	Possible Field Trip in TXMI 4360 Work on Floor Plan		
Week #4			
September 13	Drawing a Floor Plan	Feng Chap. 3	
September 15	Layers, Colors, Linetypes, and Lineweights. Getting Information	Finkelstein Chaps. 11- 12	
September 17	Finishing a Floor Plan, AutoCAD Design Center		
Week #5			
September 20	Text	Finkelstein Chap.13	
September 22	Dimensions	Finkelstein Chap. 14	Text Exercise
September 24	Dimensions	Finkelstein Chap. 15	
Week #6			
September 27	Plotting	Finkelstein Chap. 17	
September 29	Plotting		
October 1	Possible Field Trip in TXMI 4360 In Class Exercise		Floor Plan
Week #7			
October 4	Drawing Complex Objects	Finkelstein Chap. 16	
October 6	Blocks and Attributes	Finkelstein Chap.18	Complex Objects
October 8	External References	Finkelstein Chap.19	
Week #8	Midterm		
October 11	Elevations	Feng Chap.8	
October 13	Elevations		
October 15	Elevations, Drawing Custom Patterns, Loading information from another drawing.	Feng Chap 9	
Week #9			

October 18	Open Lab: Project		Elevation
October 20	Open Lab: Project		
October 22	Open Lab: Project		
Week #10			
October 25	Open Lab: Project		
October 27	Open Lab: Project		
October 28	<i>Fall Break</i>		
Week #11			
November 1	3-D drawing	Finkelstein Chap. 21	Project # 1Due
November 3	3-D drawing	Finkelstein Chap.22	
November 5	3-D drawing	Finkelstein Chap. 23	
Week #12			
November 8	3-D drawing	Finkelstein Chap. 24	
November 10	3-D drawing	Finkelstein Chap. 24	
November 12	3-D drawing		
Week #13			
November 15	Rendering	Finkelstein Chap. 25	
November 17	Rendering		
November 19	Open Lab: Final Project		3-D Rendering
Week #14			
November 22	Open Lab: Final Project		
November 24	<i>Thanksgiving Holiday</i>		
November 26	<i>Thanksgiving Holiday</i>		
Week #15			
November 29	Open Lab: Final Project		
December 1	Open Lab: Final Project		
December 3	Open Lab: Final Project		
Week #16			
December 6	Open Lab: Final Project		
December 7	Open Lab: Final Project		
December 8	Open Lab: Final Project		
December 10	<i>Reading Day</i>		
Week #17			
December 13	Final Project Due by 6:30 pm		