

TXMI 5330
ADVANCED COMPUTER AIDED RESIDENTIAL DESIGN
Course Syllabus - FALL 2007
The University of Georgia
Department of Textiles, Merchandising and Interiors

Instructor:	Mrs. Dawn Schueneman
Office Location:	361 Dawson Hall
Office Hours:	8:30 – 9:00 MWF, 1:30-2:30 MF, 2:00-3:00 TR
E-mail:	dawn@fcs.uga.edu
Credit/Clock Hours:	3 credit hours/ 6 hours class and lab
Class Time:	9:30-12:15 TR

Course Description and Objectives

This course builds upon the concepts learned in TXMI 3330. We will explore 3-dimensional CAD and rendering, Revit Building 9 and VIZ.

Upon successful completion of this course, the student should:

- Show a mastery of advanced two-dimensional commands
- Be proficient in the creation of 3D solids and surfaces
- Exhibit skill in setting up multiple views
- Be able to set up lighting
- Be proficient in rendering skills: assignment of materials, modification of existing materials and creation of custom materials
- Be proficient in plotting rendered drawings
- Be able to use Photoshop to create raster images and modify images for use in CAD drawings and presentations
- Be able to use Revit Building 9 and Autodesk VIZ

Required Textbooks and Materials

- Finkelstein, Ellen. AutoCAD 2007 Bible. Wiley Press
- At least 3 flash drives
- All Projects from TXMI classes taken thus far

Suggested Materials

- Students are encouraged to purchase a student edition copy of AutoCAD 2007 for use at home

Class Structure

- Combination of lecture, open lab activities, exercises, independent learning assignments 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, 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. Copying anything from another student, the internet, etc is cheating and will be treated as such. Students may not use blocks from CBEN, DC online or any other web-based file sharing program without permission

from the instructor. All blocks and objects in a student's file must be their original creation. Students are expected to familiarize themselves with the University's "A Culture of Honesty."

- **Attendance:** Students are expected to be in their seats and ready to begin at the start of class. Attendance will be taken at the beginning of each class. A maximum of four (4) absences are allowed, including excused and unexcused absences. Each absence afterwards will result in a third letter grade per absence over the maximum being deducted from the final grade earned for the class. For example: if you earn a grade of B- and have 5 absences in the class you will receive a final grade of C+. Any student who earns a D in the class and exceeds the maximum allowance will receive a failing grade. Students will be dropped without notice on the eighth (8) absence and will receive a grade of W/F. If a student enters the classroom after attendance has been taken it is their responsibility to inform the instructor of their presence (do not assume the instructor has seen you and marked you present). Failure to inform the instructor of your presence will result in an absence which will not be negotiable. Students are responsible for making up missed work and acquiring materials given out in class from other classmates. If a student is absent, they will not be able to use class time to ask questions about material that was covered while they were absent. The student will be required consult a classmate or the textbook. In cases of documented illness or family emergency the instructor may consider helping the student cover the missed material.
- **Professional Behavior:** I strongly feel that class time should be an enjoyable and affirming experience. Therefore, I expect that all students will behave in a professional and positive manner both during class and outside of class when dealing with matters that pertain to this class. A percentage of your grade for this class will be based on your behavior in class, including how you treat the instructor and how you treat your fellow students. Some examples of unprofessional behavior include: disrespectful speech or facial expressions directed at the instructor, sleeping or appearing bored in class, working on tasks that do not pertain to this class during class time (assignments from other classes, e-mail, facebook, etc.), inappropriate conversations in class (coarse language or jesting, gossip, unkind or unprofessional comments about a classmate or another teacher/class), failure to prepare for class by completing and being familiar with assigned reading or homework, arriving after class has begun and leaving before class is dismissed, eating or drinking in the computer lab. The instructor reserves the right to ask any student to leave class for unprofessional behavior and to mark the student absent for the day.
- **Tardiness:** Students are expected to be in their seat at the start of class. If you are not in your seat, ready to begin, at the start of class you will be counted tardy. Four tardies will count as an absence. Arrival 15 minutes or more after the start of class will result in a ½ 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 will result in a ½ absence.
- **Class Participation:** Students are to be prepared for class, to bring textbook and disks 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. When working on projects, students are expected to bring materials necessary to work in class. Failure to comply will result in being counted absent for class.
- **Cell Phones:** Cell phones are to be turned OFF for the entire duration of the class. Students may use cell phones in the hall during designated breaks.

- **Due Dates and Late Work:** All work will be due at the beginning of class date given unless otherwise stated. Any work not received by the specified time on the date it is due will be penalized in the following manner:
 - Submitted on the due date but after the time it is due (prior to 4:00 pm on the due date): half letter grade deduction from the final average.
 - Full letter grade deduction from the project grade for each additional day it is late.
 - After one week from the due date the project/assignment the instructor will not grade the assignment.
- **Documented Excuses:** Submission of un-penalized late work will be *considered* in cases of unavoidable situations and personal/family emergencies. A written request and explanation is to be given to the instructor personally on or before the due date, 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. Every student must have at least two flash drives that are to be used solely in this class. 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 they are submitted. If the file can not be opened or has been erased or corrupted, the assignment will receive an F. You should always have a backup copy of all work. Save regularly and make certain all assignments are properly saved before submission.
- **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 at any time! You will be dismissed from the lab if you bring food or drink into it!**
- **Instructor Office Hours:** Students are encouraged to consult the instructor if they have any questions regarding any of the material or an assignment.
- **Retention of Student Work:** The instructor may retain student work for display purposes. All work will be returned to the student prior to graduation.
- **Late Add:** Late adds for this course will not be approved except on exceptional circumstances.

Grading Criteria

- Exercises and Assignments 40%
- Projects 55%
- Professional Behavior & Class Participation 5%

Grading Scale

93% - 96%	= A	77% - 79%	= C+
90% - 92%	= A-	73% - 76%	= C
87% - 89%	= B+	70% - 72%	= C-
83% - 86%	= B	60% - 69%	= D
80% - 82%	= B-	00% - 59%	= F

TENTATIVE COURSE SCHEDULE

**Assignments and due dates will be given in class.

DATE	TOPIC	READING
Week #1		

Aug 16	Introduction to class, syllabus and policies.	
Week #2		
Aug 21,23	3D basics – solids and surfaces	Finkelstein chap. 21-22
Week #3		
Aug 28,30	3D drawing cont...	Finkelstein chap. 23
Week #4		
Sept 4,6	3D drawing cont...	Finkelstein chap 23-24
Week #5		
Sept 11,13	Editing solids and surfaces	Finkelstein chap. 24
Week #6		
Sept 18,20	Editing solids and surfaces	Finkelstein chap. 24
Week #7		
Sept 25,27	Setting up views with DVIEW, Rendering	Finkelstein chap 25
Week #8		
Oct 2,4	Rendering	Finkelstein chap 25
Week #9		
Oct 9,11	Lighting Editing images in Photoshop	Handouts
Week #10		
Oct 16,18	VIZ	Handouts
Week #11	Fall Break: Oct 25	
Oct 23	VIZ	
Week #12		
Oct 30, Nov. 1	VIZ	
Week #13		
Nov 6,8	VIZ	
Week #14		
Nov 13,15	Revit Building 9	Handouts
Week #15	Thanksgiving Holiday: 21-23	
Nov 20	Revit Building 9	
Week # 16		
Nov 27,29	Revit Building 9	
Week #17		
Dec 6	Final Project	
Dec 13, 8-11	Final Presentations	