

TXMI 3330 COMPUTER AIDED RESIDENTIAL DESIGN
Course Syllabus
Spring 2009

Department of Textiles, Merchandising and Interiors
University of Georgia

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| Instructor: | Mrs. Dawn Schueneman |
| Office Location: | 212 Barrow Hall |
| Office Hours: | 2:00-4:00 Tuesday and Thursday, 2:30-3:20 Wednesday |
| E-Mail: | dawn@fcs.uga.edu |
| Class Time: | 12:20-2:15 MWF |

Course Description and Objectives

The course is an introduction to the general knowledge and basic skills in 2D and 3D drawings and rendering using AutoCAD 2009 and Autodesk Impression.

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,
- Attach/detach external reference file; import symbols from the AutoCAD symbol library,
- Plot from Model Space and Paper Space.
- 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

Required Textbooks and Materials

- Finkelstein, Ellen. AutoCAD 2009 Bible.
- One flash drive, to be solely devoted to this class – a 4GB flash drive is available from UGA TEC services for around \$21.00.
- Projects from TXMI 2360
- Scaled ruler
- Standards book from 2360

Suggested Materials

- Some students may wish to purchase a student edition of AutoCAD 2009 for use at home (available at the UGA bookstore for around \$370.00).

Class Structure

Combination of lecture, quizzes (may not be announced in advance), open lab activities, exercises, and projects.

Class Policies:

- **Academic Honesty:** Students are expected to familiarize themselves with and adhere to the University's "A Culture of 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 protect the integrity of their work. Do not leave your computer unattended and carefully back up all of your work. Students will not be given an extension to a due date for the loss of work.
- **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 three (3) 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 4 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:** Class time should be an enjoyable and affirming experience. Therefore, all students are expected to behave in a professional and positive manner both during class and outside of class when dealing with matters that pertain to this class. 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, sending or receiving text messages on your cell phone, 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 deduct up to 10% from the final grade of any student exhibiting unprofessional behavior and also reserves the right to ask any student to leave class for unprofessional behavior and to mark the student absent for the day.
- **Classroom Concerns:** This course will be rigorous and will move quickly! It is expected that the students will feel stressed from time to time (especially around project due dates), however any student who feels overwhelmed or concerned should contact the instructor as soon as possible. Students are expected maintain a professional demeanor

in the midst of stressful situations and to speak with the instructor prior to speaking with others both inside and outside of the class.

- **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.
- **Questions or Computer Problems in Class:** Students are encouraged to ask questions in class. If you encounter a problem with your computer or the software programs and need the instructor to come to your station while the instructor is lecturing please signal the instructor using the provided tool.
- **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. Cell phones that repeatedly ring during class will be confiscated by the instructor until the end of the class period.
- **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 one flash drive that is to be used solely in this class. Additionally, each student will have a folder on the Furnishings and Interiors server. 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 during office hours 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.
- **Quizzes:** Quizzes will be based on textbook material, lecture and handouts. Quizzes will be given on a regular basis and in most cases will not be announced in advance. Students are encouraged to read their textbook prior to class and keep up with the material.
- **Students with disabilities:** students with disabilities must notify the instructor within the first week of class.

Grading Criteria:

- Quizzes 10%
- Exercises and Assignments 10%
- Projects 80%
- **Total 100%**

Grading Scale

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|-----------|------|-----------|------|
| 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 – Subject to change!

| DATE | TOPIC | READING* |
|--------------------------|---|-----------------|
| Day One Jan 9 | Introduction to class and AutoCAD interface | |
| Week #1 | | |
| Jan 12, 14, 16 | AutoCAD Fundamentals | Chapters 1-5 |
| | Draw Commands | Chapters 6-7 |
| Week #2 | MLK Holiday Jan 19 | |
| Jan 21, 23 | Draw Commands | |
| | View Commands | Chapter 8 |
| Week #3 | | |
| Jan 26, 28, 30 | Edit Commands | Chapters 9-10 |
| Week #4 | | |
| Feb 2, 4, 6 | Plotting from the screen | |
| | Layers | Chapters 11-12 |
| Week #5 | | |
| Feb 9, 11, 13 | Text and Dimensions | Chapters 13-15 |
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| Week #6 | | |
| Feb 16, 18, 20 | Plotting from Layout Space | Chapter 17 |
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| Week #7 | | |
| Feb 23, 25, 27 | Advanced Drawing and Editing | Chapter 16-19 |
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| Week #8 | | |
| Mar 2, 4, 6 | Impression | Handouts |
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| Week #9 | Spring Break | |
| Mar 9-13 | No Class | |
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| Week #10 | | |
| Mar 16, 18, 20 | 3d modeling | Chapters 21-23 |
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| Week #11 | | |
| Mar 23, 25, 27 | Editing solids and surfaces | Chapter 24 |
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| Week #12 | | |
| Mar 30, Apr 1, 3 | Rendering & Lighting | Chapter 25 |
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| Week #13 | | |
| Apr 6, 8, 10 | Rendering & Lighting | Chapter 25 |
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| Week #14 | | |
| Apr 13, 15, 17 | DVIEWS | |
| | Plotting Rendered Views | |
| Week #15 | | |
| Apr 20, 22, 24 | Work on final project | |
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| Week #16 | | |
| Apr 27, 29, 30 | Work on final project | |
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