

**MISSISSIPPI STATE UNIVERSITY
COLLEGE OF ARCHITECTURE, ART, AND DESIGN
INTERIOR DESIGN PROGRAM
SYLLABUS SPRING 2007**

ID 3363: 3D CAD/Modeling in Interior Design

Instructor:	Amy E. Crumpton	Classroom:	Etheredge 120
Office Room No:	Etheredge 119	Class Day/Time:	Wednesday
Office Phone:	662-325-5753		Section 1: 10:00-12:30
E-mail:	acrumpton@caad.msstate.edu	Office Hours:	Monday 10:00 am-11:00 am Wednesday 1:30 pm - 3:00 pm

Catalog Description:

Three hour lecture. Advanced computer graphic communication techniques in interior design for the development of technical and perspective drawings created in presentation formats using 3D modeling and images.

Course Objectives:

- Discuss various computer modeling applications in interior design.
- Follow one particular project scenario through the design process using the new tools.
- Demonstrate an advanced level of skill in the use of BIM and 3D modeling software to complete interior design projects, including two- and three-dimensional modeling, form creation, and representation.
- Understand the scope and requirements for creating three-dimensional technical and perspective drawings for interior projects.
- Execute technical and perspective drawings using computer rendering applications.

Topics To Be Covered:

- SketchUP Modeling Software
- Autodesk Revit software and applications in interior design
- AutoDesk VIZ computer software and applications in interior design

Student Activities and Assessment:

<u>Activity</u>		<u>Points</u>
Project #1	SketchUp –Tutorial Project	50
Project #2	REVIT - Model and Drawing set	200
Project #4	Viz- Interior Rendering	100
Presentation	PowerPoint Final Course Presentation	100
<u>Class Participation</u>	<u>Completion of tutorials, progress checksetc....</u>	<u>200</u>
Total		650

Evaluation of Student Progress

<u>Letter Grade</u>	<u>% grades</u>	<u>Points</u>
A=	93.0%-100%	604-650
B =	86.0%-92.9%	559-603
C =	73.0%-85.9%	474-558
D =	60.0%-72.9%	390-473
F =	59.9% or below	389 or less

- A Excellent to superior work. Work submitted is on time and shows evidence of extra effort. Written analysis shows evidence of higher order/critical thinking skills. All required components are included, and work is professional quality. Student attends all classes.

- B Good work, above average. All (or most) components completed but with small deficiencies in some areas. Evidence of extra work may be present but is not always of outstanding professional quality. Student submits materials on time and has perfect or almost perfect attendance.
- C Average work. Submission or presentation is complete but only average in detail or completeness. Student has an absence.
- D Below average work, inferior but passing. Student will be required to retake the course
- F Failure. Work is incomplete, late, and not acceptable.

Use of WEBCT:

This course will use WebCT as the primary means of communication about homework and assignments. Please check this prior to every class meeting for assignments. It is my intent to have at least four future weeks of exercises and due dates on the calendar at any time. The dates for exams and major projects will not change. The number of excises required as homework and the specific exercises required are more flexible, depending on class ability and pace of learning. It is the student's responsibility to check before each class and exam and print out appropriate handouts and bring required materials to class.

Practice outside of class and completion of assignments:

It is the general rule that for every hour of class time, students should expect to spend up to three hours of time outside of class. For a course that meets four hours per week, the total weekly practice time is 12 hours.

Some class time will be provided for work on assignments and projects. The instructor will check student's progress at each class meeting. Students are expected to work on their projects during work sessions so that the instructor can provide guidance. Students who fail to attend work sessions will receive unfavorable consideration if their projects are incomplete or contain errors.

If the instructor does not view work in progress or if all work is completed at another site, it will not be accepted. Such students may be subject to a special proficiency examination.

Course Policies:

Students will be allowed one unexcused absence from class. This will not be accepted on project due dates or scheduled tests unless prior arrangements have been made with the instructor. Only accepted excuses beyond this are: a death in the immediate family, field trip for another class with prior notification from the instructor, or sickness with a doctor's excuse. All excuses are subject to verification. Two tardies will result in one unexcused absence. Students will be penalized 3 percentage points (from their final grade) for each absence beyond the one unexcused absences. Coming late or leaving early (more than 10 minutes) from studio classes will result in an unexcused absence.

Drop Policy. Students may: (1) drop through 10th class day; (2) withdraw 11th to 30th class day and receive "w" on transcript. There will be no withdrawals from individual courses after 30th class day of semester.

Policies and procedures for handling Academic Misconduct (honesty) found at <http://www.msstate.edu/web/security/html>, University Policies Relating to Students and Student Records will be followed in this course.

It is the responsibility of any student who has special needs (Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA) to inform the instructor of this class as soon as possible so reasonable accommodations may be provided. The student must self-identify concerning disability documentation that is as recent as within last three (3) years and request necessary accommodations.

All projects are due on assigned dates. All projects are due at the beginning of the scheduled class. There are no make-up projects or extra credit projects given in this class. ***Late projects will not be accepted. There is no excuse for a late project.***

All written assignments should be word processed, double-spaced, and free of typographical, grammatical, and spelling errors. References will be checked for authenticity and should be written in an accepted form. References will be typed in APA format.

Due to the extended time period for this class, food and beverages will be allowed in the classroom subject to the instructor's discretion. Abuse of this privilege (leaving food or drinks behind, or excessive spills) will result in revocation of this privilege and possible damage to equipment and/or personal liability.

Cell phones **must** be turned off during class period. Cell phones are not allowed to be used as calculators at any time.

The instructor is available on a first-come/first-served basis during the office hours listed above. The best way to ensure you have access to the support you need is to make an appointment with the instructor on the sheet provided on the office door. These appointment times will be within the office hours listed above. If you have need of some additional time, please e-mail the instructor.

Methods of Instruction:

Lecture, discussion, class assignments and lab. The first part of the class will be used for lecture and tutorials. The remainder of the class time is for application of the programs to your projects. Additional time will be required for the course. The student is expected to have read the assigned material before each class and to have completed the assigned review exercises. Some tutorial exercises will be turned in as part of the participation grade.

Required Textbooks:

Stine, Daniel John. (2006). *Residential Design using Autodesk Revit Building 9*. Schroff Development Corporation. This comes with a 1 year license to REVIT. (Approximately \$40.00)

Viz Tutorial Set. Can be picked up at Ditto's Copy shop. They are also available on WebCT for download,

Required Software:

Google SketchUP (free download)
Autodesk Revit Building 9 or later
Autodesk VIZ 2007 or later

Tentative Schedule:

(Subject to modification during the semester. Always check WebCT for the most up to date information)

Week 1:	January 10	SketchUp Tutorial
Week 2:	January 17	SketchUp Project Due through Web CT In Class: Review (REVIT) Chapter 1 and 2
Week 3	January 24	Chapter 3 exercises due through Web CT In Class: Start Chapter 5 – First Floor Plans
Week 4:	January 31	In Class: Chapter 6 – Second Floor /Basement Plans
Week 5:	February 7	In Class: Chapter 7 – Roofs, and Chapter 8 – Floors/Ceiling Plans
Week 6:	February 14	Junior Field Trip – No CLASS
Week 7:	February 21	In Class Chapter 9/10 – Elevations and Sections
Week 8:	February 28	In Class: Chapter 11 – Floor Plan Features (kitchen, furniture, bathrooms)
Week 9:	March 7	In Class – Chapter 13 - Rendering
Week 10:	March 14	SPRING BREAK – NO CLASS

Week 11:	March 21	In Class: Chapter 12/14 – Schedules/Sheet Setup
Week 12:	March 28	NO CLASS: Work on Project
	April 3	TUESDAY: REVIT PROJECT DUE 3:30pm.
Week 13:	April 4	VIZ, Tutorial 1 – VIZ Overview,/Linking to Revit/Cameras
Week 14:	April 11	VIZ Tutorial 2 – Materials for Interior Scenes
Week 15:	April 18	VIZ Tutorial 3 - Lighting
Week 16	April 25	VIZ Tutorial 4 - Rendering
EXAM	April 27 (FRI)	Viz Project Due and Final Presentation 8:00-11:00