The University of Southern Mississippi  
College of Science & Technology – School of Construction  
ACT234L – Architectural CADD

COURSE SYLLABUS

Instructor
• Shane Germany  
  118 College Drive Box #5138  
  Office: 601.266.6273  
  Fax: 601.266.5717  
  shane.germany@usm.edu

Office Hours
• See attached Office Hours for the Instructor.

Drop Date
• August 27, 2014 last day to drop the class without Academic Penalty.

Prerequisites
• AEC132/L

Credit Hours
• 1hr Lab

Course Description
• Introduction to architecturally oriented software and use to prepare plans for buildings.

Course Overview
• The purpose of the class is for students to execute skills learned in the Lecture section to create building information models which can be used to extract design & construction drawings & data. This course is suitable for students who have novice to intermediate level experience using CADD software as well familiarity with architectural & construction topics.

Course Outcome(s)
• Students will learn fundamental software skills and techniques required to create building models using typical industry software as well as create custom content as required within the software.

Student Learning Outcomes
• Create 3D building information models based off of verbal or visual descriptions of architectural building systems  
• Develop custom model elements, families, templates, schedules, etc. not within the native library to extend the capabilities of the software.
• Utilize typical vocabulary, graphic symbols, standards & language used in architecture, engineering, & construction to develop models.
• Understand modeling & drawing/reporting concepts, methods, and best practices.

Course Communication
• Outside of the classroom, the main point of communication shall be via Blackboard and/or email. Students must originate emails from their campus email address and utilize proper email etiquette. Subject headings for all email should begin with “ACT234”.

Required Text (s) and Readings
• Textbooks:
  - Residential Design Using Autodesk Revit Architectu, Author: Stine, Publisher: SDC, Year Published: 2013
  - Autodesk Revit BIM Mgt, Author: Stine, Publisher: SDC, Year Published: 2013

• Other Supplementary material provided by the Instructor in digital format or available online as required.

Technology Requirements
• Access to and fully functional use of Blackboard & campus email. The ability to download, save, and read Microsoft Office & Adobe pdf documents.

Class Procedures and Requirements
• All assignments and course materials will be available via Blackboard. Tests, Quizzes, and assignment deliverables will be administered and submitted via Blackboard only unless student accommodations are required and pre-arranged.
• Typical classroom Lab content will follow this format:
  • Open Lab time for students to work individually or in groups to complete exercises & projects using various software tools.
  • Students can expect to dedicate ample non-classroom time to review materials, complete exercises, and/or independently study the course materials and assignments as required.
• See attached Tentative Class Schedule for additional information.

Class Participation Policy
• For face-to-face sections, attendance is mandatory. Excused absences and a written proposal for completing missed work must be pre-approved by the Instructor prior to. Emergency, Medical, or Athletic/Academic leaves must be processed by the University and/or School of Construction and documentation shall be provided from administration. Two (2) or more Unexcused or Unauthorized absences will result in a failing grade for the semester. Missing assignments, tests, materials, etc. due to Unexcused or Unauthorized absences automatically receive a zero.

• For Online sections, distance learning allows students to work around their
schedule, however, logging in and completing all the discussions and activities on the final day of the module will not be considered “professional participation”. Students should participate at least three times on the weekly discussion board by responding to the initial question and then replying to two other student’s comments with quality responses. Chat and live classroom participation will also be required.

**Evaluation Criteria (% of final average)**
- Evaluation Criteria for assignments, quizzes, exams, exercises, etc... shall be weighted to a Final Grade and categorized as follows:
  - 60% Supplementary Exercises
  - 40% Final Project

**Grading Scale**
- Rubrics are provided for all assignments.
- Cumulative rubric scores for each Evaluation Criteria are equated to a 100pt scale.
- Final Grades are determined by a total of all Evaluation Criteria as weighted above. Numerical values are assigned as shown.

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<thead>
<tr>
<th>Letter grade</th>
<th>Numerical value</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100</td>
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<td>B</td>
<td>80-89</td>
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<td>C</td>
<td>70-79</td>
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<td>D</td>
<td>60-69</td>
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<tr>
<td>F</td>
<td>0-60</td>
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**Late Assignments or Projects**
- Late work will not be accepted.

**Academic Honesty**
The following is from the USM Undergraduate Bulletin:

“When cheating is discovered, the faculty member may give the student an F on the work involved or in the course. If further disciplinary action is deemed appropriate, the student should be reported to the Dean of Students. In addition to being a violation of academic honesty, cheating violates the Code of Student Conduct and may be grounds for probation, suspension, and/or expulsion. Students on disciplinary suspension may not enroll in any courses offered by The University of Southern Mississippi.”

**ADA Policy**
If a student has a disability that qualifies under the American with Disabilities Act (ADA) and requires accommodations, he/she should contact the Office for Disability Accommodations (ODA) for information on appropriate policies and procedures. Disabilities covered by ADA may include learning, psychiatric, physical disabilities, or chronic health disorders. Students can contact ODA if they are not certain whether a medical condition/disability qualifies.

**Address:**
The University of Southern Mississippi
Office for Disability Accommodations
118 College Drive # 8586
Hattiesburg, MS 39406-0001

**Voice Telephone:** (601) 266-5024 or (228) 214-3232  **Fax:** (601) 266-6035
Individuals with hearing impairments can contact ODA using the Mississippi Relay Service at 1-800-582-2233 (TTY) or email Suzy Hebert at Suzanne.Hebert@usm.edu.

Tentative Class Schedule

- See attached.