The University of Southern Mississippi  
College of Science & Technology – School of Construction  
ACT336 – Working Drawings II

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
- Last day to drop the class without Academic/Financial Penalty: January 20, 2015
- Last day to drop the class and receive a “W” grade: April 1, 2015

Requisites, Credit Hours, Course Description
- Prerequisite(s): ACT 235. Corequisite(s): ACT 336L. 2hrs + 1hr Lab. Building systems and working drawings for commercial projects.

Course Overview
- This course is designed to provide architectural and construction students with an overview of the methods, language, and techniques used develop a working set of design & construction documents. Special emphasis will be on architecture drafting & design methods, symbols, and vocabulary as well as building systems, materials, and construction methods. Students will develop BIMs using industry standard parametric design software.

Course Outcome(s)
- Students will develop and prepare construction documents from a given schematic design using best practices and industry standard detailing & construction methods.

Student Learning Outcomes
- Develop a set of construction drawings and details for a prescribed schematic design including plans, elevations, sections, details, schedules.
- Provide recommendations for product selection based on manufacturer’s libraries and product information.
- Coordinate specifications with drawing details and design intent.
- Use industry standard BIM software to develop 3D models for use in construction documentation and detailing using typical building construction methods.
- Record and document job site conditions using industry standard terminology.

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 the course number, for example: “ACT234”.

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Required Text(s) and Readings

- Textbooks:

  1. *ACT 336: H001 Arch Wkgs Dwgs II (10964) LEC*
     - Textbook Assignment Complete
     - **Status**: Required
     - **ISBN**: 9780470083452
     - *Arch Graphic Standards: Student Edition*, Author: Ramsey, Publisher: Wiley, Edition: 11th

     - **Status**: Required
     - **ISBN**: 9780470618159

  3. *Bldg Construction Illustrated*, Author: Ching, Publisher: Wiley, Edition: 5th
     - **Status**: Required
     - **ISBN**: 9781118458341

- 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.
- Access to and advanced competency with computer aided design & documentation software as required to produce & present schematic design documents of architecture & construction related media.

Class Procedures and Requirements

- Students are required to be in attendance during class hours productively engaged in individual and group design activities. There will be a regular program of lectures, typically occurring during the regular class hours. Attendance at these lectures is mandatory and students are responsible for understanding and using the material presented.
- 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.

Evaluation Criteria (% of final average)

- Evaluation Criteria for assignments, quizzes, exams, exercises, etc... shall be weighted to a Final Grade and categorized as follows:
  - 25% Quizzes
  - 25% Field Reports
  - 15% Design Development Drawings
  - 15% Construction Detail Drawings
  - 20% Final Construction Document Package
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 Letter grades assigned as shown.

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<thead>
<tr>
<th>numerical value</th>
<th>letter grade</th>
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<tbody>
<tr>
<td>90-100</td>
<td>A</td>
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<tr>
<td>80-89</td>
<td>B</td>
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<tr>
<td>70-79</td>
<td>C</td>
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<td>60-69</td>
<td>D</td>
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<tr>
<td>0-60</td>
<td>F</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.