The University of Southern Mississippi  
College of Science and Technology - School of Construction  
AEC 204 Lecture - Building Materials (H001)

COURSE SYLLABUS

Instructor
• Jessica Sharp  
  116 College Drive, Box #5138  
  Hattiesburg, MS 39406  
• Bobby Chain TEC Building, Office #238  
• Fax: 601.266.5717  
• Email: Jessica.Sharp@usm.edu  
• Website: usm.blackboard.com

Office Hours
• Monday { 10-12, 1-3 }  
• Wednesday { 10-12, 1-3 }  
• Thursday { 1-3 }  

Dates to Remember
• The last day to drop the class without Academic Penalty is August 27th.  
• September 1st: Labor Day Holiday  
• October 16th - 17th: Fall Break  
• November 26th - 28th: Thanksgiving Holidays

Prerequisites
• Students should be able to use Microsoft Word and Power Point and possess basic computer literacy.

Credit Hours
• AEC 204 Lecture: 2 credit hours; AEC 204 Lab: 1 credit hour  
• Ensure you are signed up for both classes on SOAR; you will only see one AEC 204 class in Blackboard.

Course Description
• AEC 204 Lecture – Properties, characteristics, and utilization of materials used in design and construction of projects.
Course Overview
• This course is designed to provide architectural, construction, and interior design students with an introduction to the many types of building materials, processes, and methods used in the construction industry. New technologies, developments, and resources for locating information about building materials will also be explored.

Course Outcome(s)
• In this course, students will develop introductory knowledge about the materials used in the construction industry. This basic understanding will allow students to further develop their expertise of the construction processes and methods used in industry by providing the framework upon which the remaining construction and architecture courses can expand.

Student Learning Outcomes (Objectives)
1. Identify the materials included in CSI MasterFormat Divisions 2-14
2. Create a report on observations made of materials being applied on both commercial and residential construction sites
3. Define common construction processes and materials related terms
4. Create a 1,250 – 1,750 word research paper about one construction material
5. Create and discuss a layout of the location, type, and cost of materials found at both a general and specialized supplier
6. Demonstrate presentation skills by designing, developing, and delivering a formal presentation (10-15 minute) about building materials

Course Communication
• The primary mode of communication will be via e-mail. The instructor will check email regularly, and you should receive a response within one business day of successfully sending the e-mail. Proper email etiquette is expected; if appropriate collegiate-level language is not used, you will not receive a response. In the event that you experience technical problems or the instructor is unable to respond due to extenuating circumstances, you are encouraged to contact the School of Construction main office staff for assistance.

Required Text (s) and Readings

Technology Requirements
1. Adobe Acrobat Reader
Evaluation Criteria

<table>
<thead>
<tr>
<th>Item</th>
<th>Percent</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Exams</td>
<td>40%</td>
<td>Exam #1&lt;br&gt;Exam #2&lt;br&gt;Final Exam <em>(Final exam is comprehensive covering all course content)</em></td>
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<tr>
<td>Quizzes</td>
<td>5%</td>
<td>5 Quizzes on glossary terms in textbook</td>
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<tr>
<td>Class Attendance and Participation</td>
<td>10%</td>
<td>Each unexcused absence is worth 1% of your overall attendance grade</td>
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<tr>
<td>Lab Sessions*</td>
<td>10%</td>
<td>Trip to MMC Materials (11/18)&lt;br&gt;Material Testing in TEC 116 Lab (11/20)&lt;br&gt;*Each session is worth 5% of overall grade</td>
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<tr>
<td>Reports / Presentation</td>
<td>35%</td>
<td>2 Job Site Reports&lt;br&gt;See guidelines for JS Report in Blackboard</td>
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<td>1 Supplier Report&lt;br&gt;See guidelines for Supplier Report in Blackboard</td>
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<td>1 Research Project&lt;br&gt;See guidelines for Research Project in Blackboard</td>
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<td>1 Final Project&lt;br&gt;See guidelines for Final Project in Blackboard</td>
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- Note: Upper, lighter shaded portion indicates lecture activities; lower, darker shaded portion indicates lab activities.

Grading Scale

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-60 F

Late Assignments or Projects

- All assignments are due at the time and date stated on the schedule included in the syllabus. When an assignment or exam is missed, the student is responsible for providing an explanation to faculty. A verified excuse must be obtained from The Office of Student Oriented Services in RC Cook Union 221. All assignments submitted after the precise due date and time without a verified excuse will receive an automatic 25 point deduction for late submission.
**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.

**Class Schedule**
This is a tentative schedule and is subject to change. If any changes are necessary, the new schedule information will be announced in class.

<table>
<thead>
<tr>
<th>Week No. / Date</th>
<th>Topic</th>
<th>Assignment / Quiz / Test</th>
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<tbody>
<tr>
<td>1 / Aug. 21</td>
<td>Introduction</td>
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<tr>
<td>2 / Aug. 26</td>
<td>An Overview of the Building Delivery Process</td>
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<td>Aug. 28</td>
<td>Basic Estimating Principles</td>
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<tr>
<td>3 / Sept. 2</td>
<td>Governmental Constraints on Construction</td>
<td>Complete Q1: A-C (available from 9/2 – 9/5)</td>
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<td>Sept. 4</td>
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<tr>
<td>4 / Sept. 9</td>
<td>Properties of Materials</td>
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<td>Sept. 11</td>
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<tr>
<td>Date</td>
<td>Event</td>
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| 5 / Sept. 16  
Sept. 18   | Properties of Materials cont.  
Supplier Report Due  
(due on 9/19) |
| 6 / Sept. 23  
Sept. 25   | Wood Construction  
Complete Exam #1  
(on 9/23) |
| 7 / Sept. 30  
Oct. 2      | Steel Construction  
Complete Q2: D-G  
(available from 9/29 – 10/3) |
| 8 / Oct. 7  
Oct. 9      | Lime, Portland Cement, and Concrete  
Job Site Report #1 Due  
(due on 10/10) |
| 9 / Oct. 14  
Oct. 16     | Lime, Portland Cement, and Concrete continued  
Complete Q3: H-N  
(available from 10/13 – 10/17)  
Optional Research Project Due  
(due on 10/17)) |
| 10 / Oct. 21  
Oct. 23     | Masonry Construction  
Complete Exam #2  
(on 10/21) |
| 11 / Oct. 28  
Oct. 30     | Glass  
Complete Q4: O-R  
(available from 10/27 – 10/31)  
Windows and doors |
| 12 / Nov. 4  
Nov. 6      | Roofing  
Complete Q5: S-Z  
(available from 11/3 – 11/7) |
| 13 / Nov. 11  
Nov. 13     | Stairs  
Job Site Report #2 Due  
(due on 11/14)  
Floor Coverings  
Ceilings |
| 14 / Nov. 18  
Nov. 20     | Graded Participation Lab Sessions:  
Trip to MMC Materials (11/18)  
Material Testing in TEC 116 Lab (11/20) |
| 15 / Nov. 25  
Nov. 27     | Final Project work day  
Thanksgiving holidays |
| 16 / Dec. 2  
Dec. 4       | Final Project Presentations due  
Final Project Due  
(due on Tuesday, Dec. 2) |
| 17 / Dec. 9  | Comprehensive exam covering all topics  
Final Exam  
(on 12/9 from 8:00-10:30 am) |

In the assignment column, the items labeled Q1, Q2, etc. are open-book quizzes on the glossary terms found in the course textbook. For example, Quiz #1 will be on glossary terms starting with the letters A through C, found in the back of the course textbook.