CM 3110 – Residential & Light Construction Methods
College of Architecture & Construction
Management Term: Fall 2017

Prerequisite: CM 2000, EDG 2160, EDG 1211
Class Meeting time: MW 12:30-2:20

Course Website: http:d2l.kennesaw.edu

Class Location: Building H Room 324

Class instruction methodology: 2-2-3 (Lecture 2, Lab 2, Credits 3). This course is 100% in class.

Instructor: Professor Irish Horsey

Office Location & Hours: H341A Mon/Wed 10:30-12:15 and 2:30-3:15

Course Communications: ihorse@kennesaw.edu (Preferred method of contact: D2L Email)


COURSE SYLLABUS

Construction Management Faculty are involved in the development of knowledge, understanding, and application in an environment where we monitor, manage, and facilitate the learning process. Instructor strives to provide a rich learning environment that allows for a range of individual learning styles. The following syllabus provides specific topics for the course through various forms of teaching and discovery based on a selection of reading materials and other resources.

Course Catalog Description: A study of the materials, techniques, and methods used in residential and light construction. Foundations, wood frame and masonry structural systems, interior and exterior finishes, residential electrical, plumbing, and mechanical systems are included. Also included are residential building code requirements.

Purpose of Course: Introduction of construction means and methods.

Course Objectives & Expectations:

Gain an understanding of construction materials and systems is the combined effort of designers, project managers, fabricators, and construction personnel to build structures. The process must be done within predetermined length of time by using the best possible combination of materials and construction methods, meeting all relevant building code and environmental concerns, and maintaining budgets.

Conflicts, problems and/or issues with this course should be discussed as early as possible with instructor and it will be at instructor’s discretion to solve as equitably as possible. Do not delay discussion as sympathy for conflicts or problems diminishes with time. After the fact is not acceptable nor is bringing to instructor’s attention towards the end of the course. Course Schedule subject to change with notice.

Course Learning Outcomes (CLO):
CLO 1. Ability to determine scopes of work, construction materials, and basic means & methods (SLO #8)
CLO 3. Recognize fundamentals of sustainable construction (SLO #18)

ASCE Student Learning Outcomes (SLO):
SLO 8. Understanding of basic construction methods, materials, and equipment.
SLO 18. Understand the basic principles of sustainable construction.
**Assessment Tools:** There are a minimum of four direct assessments (quizzes, labs, and course projects) for this course. Students will understand basic construction methods, materials, and equipment and the basic principles of sustainable construction through the completion of these assessments.

**COURSE POLICIES**

**Assignment Policy:**
Lab assignments should be able to be completed during class time (typical) and due at the end of class. In certain cases, it may be required to complete outside of class as homework and it will be due at the beginning of class on the date specified. If you are not in class for lab exercise, then you will not receive credit for the exercise (see Attendance for exceptions). Incomplete or late assignments will not be accepted. All students are expected to complete assignments as given. Instructor reserves the right to modify assignments as necessary. Keep all returned/graded assignments through the end of the course.

**Cell Phone Policy:** The use of cell phones, smart phones, or mobile communication devices is prohibited during class except for interactive class participation as directed by the instructor.

**Attendance Policy:** Attendance is mandatory in order to fully participate in class. The only acceptable excused absences are: illness (with documentation) or your participation in a University sponsored event which instructor must have prior notice. Work related conflicts are not excused absences. Students are solely responsible for managing their enrollment status in a class; non-attendance does not constitute a withdrawal. The course withdrawal policy is located at [www.kennesaw.edu/registrar/policies/withdrawl.php](http://www.kennesaw.edu/registrar/policies/withdrawl.php)

**Quiz/Exam Policy:** There are six quizzes for this course. The quizzes will be completed in class. Students who do not attend class will receive a grade of zero for the quizzes. Quizzes will cover material presented/discussed during class, reading assignments, and handouts.

**Make-up Policy:** There are no make-ups.

**Assignment Policy:** Course assignments and workshops should be completed during class time (typical). If homework assignments are required, assignments are due Sunday at midnight. Assignment information will be provided during class and key topics/dates will be posted on course D2L. Students who do not attend class will receive a grade of zero for any missed assignments. Late work will not be accepted. Instructor reserves the right to modify assignments as necessary.

**Course Technology Requirements:** At a minimum, students should be able to use a word processing application, a spreadsheet application and a presentation application (i.e., Microsoft Word, Excel and PowerPoint).

**Evaluation & Grading:** Grades will be assigned according to the following scale:

- **A = 90 – 100**
- **B = 80 – 89**
- **C = 70 – 79**
- **D = 60 – 69**
- **F = Below 60**

**Course Weights**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>30%</td>
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<tr>
<td>Labs</td>
<td>25%</td>
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<tr>
<td>Homework</td>
<td>15%</td>
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<tr>
<td>Course Project</td>
<td>30%</td>
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<tr>
<td>TOTAL</td>
<td>100%</td>
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Academic Integrity Policy

Every KSU student is responsible for upholding the provisions of the Student Code of Conduct, as published in the Undergraduate and Graduate Catalogs. Section 5c of the Student Code of Conduct addresses the university’s policy on academic honesty, including provisions regarding plagiarism and cheating, unauthorized access to university materials, misrepresentation/falsification of university records or academic work, malicious removal, retention, or destruction of library materials, malicious/intentional misuse of computer facilities and/or services, and misuse of student identification cards. Incidents of alleged academic misconduct will be handled through the established procedures of the Department of Student Conduct and Academic Integrity (SCAI), which includes either an “informal” resolution by a faculty member, resulting in a grade adjustment, or a formal hearing procedure, which may subject a student to the Code of Conduct’s minimum one semester suspension requirement. See the Department of Student Conduct and Academic Integrity’s website for more information.

Plagiarism and Cheating

No student shall receive, attempt to receive, knowingly give or attempt to give unauthorized assistance in the preparation of any work required to be submitted for credit (including examinations, laboratory reports, essays, themes, term papers, etc.). Unless specifically authorized, the presence and/or use of electronic devices during an examination, quiz, or other class assignment is considered cheating. Engaging in any behavior which a professor prohibits as academic misconduct in the syllabus or in class discussion is cheating. When direct quotations are used, they should be indicated, and when the ideas, theories, data, figures, graphs, programs, electronic based information or illustrations of someone other than the student are incorporated into a paper or used in a project, they should be duly acknowledged. No student may submit the same, or substantially the same, paper or other assignment for credit in more than one class without the prior permission of the current professor(s).

University Policy on Academic Misconduct: Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the KSU Student Academic Integrity Policy at [http://kennesaw.edu/handbooks/faculty/section2_13.php](http://kennesaw.edu/handbooks/faculty/section2_13.php).

University Policy on Accommodating Students with Disabilities

Students requesting accommodation for disabilities must first register with the Office of Disabled Student Support Services at [http://www.kennesaw.edu/stu_dev/dsss/dsss.html](http://www.kennesaw.edu/stu_dev/dsss/dsss.html). The Office of Disabled Student Support Services will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations. **Netiquette: Communication Courtesy:** All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. See online etiquette: [http://teach.ufl.edu/docs/NetiquetteGuideforOnlineCourses.pdf](http://teach.ufl.edu/docs/NetiquetteGuideforOnlineCourses.pdf).

Electronic Recording & Social Media Policy

Electronic recording performed without the consent of the people being recorded chills the free exchange of ideas. Academic freedom, free inquiry, and freedom of expression should not be limited by the fear that one’s brainstorming, polemic discourse, speculative inquiry, or any other kind of expressed curiosity made within the space of a university classroom will be made public without one’s consent. This fear is unacceptable regardless of whether one is in an online, hybrid, or face-to-face classroom setting. Accordingly, no person shall electronically record any class discussion without the written permission of the instructor. No person shall publish online or elsewhere any electronic recording of a class discussion without the written permission of the instructor and any other persons who were recorded. This policy is not
intended to discourage electronic recording in the classroom or the use of social media when such actions are performed with the written consent of the instructor and any other persons who were/will be recorded. Faculty accommodate all reasonable requests to electronically record a class discussion; these requests must be documented by the Disabled Student Support Services available at: http://www.kennesaw.edu/stu_dev/dsss/prospect.shtml.

GETTING HELP

For issues with technical difficulties, please contact the Student Helpdesk:

1. Fill out a service form http://uits.kennesaw.edu/support/formselect.php?s=tech
2. Email: studenthelpdesk@kennesaw.edu
3. Call: 770-499-3555

Getting Started With Technology Services http://uits.kennesaw.edu/

Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from ITS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Additional Technology Resources

1. Student Service Desk and Help Center studenthelpdesk@kennesaw.edu
3. USG Desire2Learn Help Center https://d2lhelp.view.usg.edu/
4. D2L Training Options & Resources for Students https://web.kennesaw.edu/acs/pages/desire2learn/student-resources-d2l
5. Computertrain Online Courses http://www.kennesaw.edu/dlc/FacultyResources/
6. ITS Documentation Center http://uits.kennesaw.edu/docs/netaccess/guides/windows7_wifi_instructions.pdf
7. Check Service Outages http://status.usg.edu/
8. Maintenance Schedule https://usg.desire2learn.com

Academic Resources

1. Academic Tutoring Services http://www.kennesaw.edu/stu_dev/alp/academic.shtml
2. Disability Resources http://www.kennesaw.edu/stu_dev/dsss/dsss.html
4. Library http://www.kennesaw.edu/library/
7. Math Lab http://mathlab.kennesaw.edu/
8. The KSU Writing Center helps students in all majors improve their writing. Experienced, friendly writing assistants help with topic development, revision, research, documentation, grammar, and more. For more information or to make an appointment, visit writingcenter.kennesaw.edu or stop by English Building, Room 242 (Kennesaw campus) or Building A, Room 184 (Marietta campus)

Student Support and Wellness Resources

1. Career Services Center https://careerctr.kennesaw.edu/
2. Counseling and Psychological Services http://sss.kennesaw.edu/cps/
3. Center for Health, Promotion and Wellness  http://www.kennesaw.edu/col_hhs/wellness/
4. Student Health Clinic  http://studenthealth.kennesawstateauxiliary.com/

KSU desires to resolve student grievances, complaints and concerns in an expeditious, fair and amicable manner. The Complaints and Appeals Page was developed to assist current and prospective students in submitting complaints and appeals and to direct them to the most effective venue for accurate information and resolution. The resources on the page will direct students to the specific venue to appropriately address related student complaint.  http://www.kennesaw.edu/complaints_appeals.shtml

Complaints for online students are resolved following the same general procedures for students who attend classes on campus. However, for any process that requires that a student appear in person, the university may make other arrangements. For processes that cannot be completed via telephone, e-mail, or written correspondence, the university may set up a two way Video conference site in place of a meeting on the KSU campus.
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<thead>
<tr>
<th>WEEK</th>
<th>CLASS TOPIC</th>
<th>ASSIGNMENTS</th>
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<tr>
<td>1</td>
<td>Course Overview and Overview of Building Delivery</td>
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<tr>
<td>2</td>
<td>Sustainability</td>
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<tr>
<td>3</td>
<td>Thermal-Acoustical-Fire Properties of construction materials</td>
<td>Chapter 5, 6, Chapter 7, 8</td>
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<tr>
<td>4</td>
<td>Lumber &amp; Engineered Wood Products</td>
<td>Chapter 13, 14, 15, 16</td>
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<tr>
<td>5</td>
<td>Wood Frame Construction</td>
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<tr>
<td>6</td>
<td>Structural Steel</td>
<td>Chapter 18, 19, 20</td>
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<tr>
<td>7</td>
<td>Structural Steel</td>
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<td>8</td>
<td>Concrete Materials &amp; Construction</td>
<td>Chapter 21, 22, 23</td>
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<tr>
<td>9</td>
<td>Concrete Systems</td>
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<tr>
<td>10</td>
<td>Soils &amp; Foundations</td>
<td>Chapter 11, 12, Chapter 24, 25, 26 (excl tilt-up)</td>
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<tr>
<td>11</td>
<td>Masonry Construction</td>
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<td>12</td>
<td>Exterior Materials &amp; Systems</td>
<td>Chapter 27-32</td>
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<tr>
<td>13</td>
<td>Exterior Systems Construction</td>
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<td>14</td>
<td>Roofing Materials &amp; Systems</td>
<td>Chapter 33, 34</td>
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<td>15</td>
<td>Finish Materials &amp; Systems</td>
<td>Chapter 16, 36, 37</td>
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