

**M.E. Rinker, Sr.**  
**School of Building Construction**  
**University of Florida**  
**Semester Course Outline**

**BCN 1210 – Construction Materials                      Summer 2018                      3 Credits**

Honor Code:                      Students are expected to comply with the spirit and intent of the University of Florida Honor Code, which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.” Students are required to bring a photo ID to all tests to be presented to the proctor upon completion of the exam.

Instructor:                      Eileen Pesantes-Tavares, Ph.D.

Office Location:                      340 Rinker Hall

Meeting Periods                      MTWRF 2<sup>nd</sup> Period (9:30 AM – 10:45 PM), Rinker 210

Prerequisites:                      None

Objectives:                      Students will learn elements relating to the principles of construction methods and techniques. Basic understanding of the built world that surrounds us and how it is constructed.

Description:                      The course provides a general overview of basic construction materials, properties, manufacture, and uses.

Method:                      Five lecture/discussion periods per week with corresponding reading assignments from the text. Text assignments should be done before the class in which they are discussed. Students are responsible for the content of all reading materials whether or not the material is covered in class. We will also discuss current issues, and articles may be posted to the class website for review. Although class is scheduled for three meetings per week, several Friday in class meetings will be substituted with construction site visits or individual/group projects.

Text:                      Simmons, H. Leslie: Olin’s Construction Principles, Materials and Methods; John Wiley & Sons, Recent Edition

Tests:                      NO MAKEUP EXAMS. There will be four (4) tests given during the semester and a final. Test results must be discussed in person within 72 hours after the test has been graded and returned. After 72 hours the grade is final. There are two options regarding test score compilation. Makeup exams will not be given. NO MAKEUP EXAMS.

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**Test Option 1:** Drop/Omit one semester test grade and take cumulative final. Cumulative final exam grade and three best semester grades will be summed towards the final course grade.

**Test Option 2:** Take all four semester exams and omit cumulative final. Four semester exam grades will be summed towards final course grade.

**Final Exam:** Final exam will be given during the last day of class.

**Team Project Reports:** Teams of 2-4 students will identify a construction project around campus or the Gainesville area, and submit 3 progress reports during the semester. Late submissions will be accepted up to 48 hours after due with a 50% penalty. After 48 hours, nothing will be accepted for credit.

Digital photo reports may be substituted for written reports with approval from instructor. Ten to 20 photos may be submitted (labeled by Project title, team initials, and brief description). Bonus 5-point attendance quizzes/projects may take place throughout the semester.

**Individual Course Paper:** This paper will be based on individual research covering a topic of the student's choice. Late submissions will be accepted up to 48 hours after due with a 50% penalty. After 48 hours, nothing will be accepted for credit.

**Grade Makeup:** Final grades will be calculated as follows:

Top three of four in-term exam grades @ 100 points	300
Final exam (or 4 <sup>th</sup> semester exam)	100
Team Project Reports (3 @ 25 points each)	75
Individual Course Paper	<u>100</u>
	575

**Grade Scale:** Grades will be given according to the following scale. Divide the total points you earn by 575 total possible points. Decimal points will not be rounded.

A	91 and above	B+	88 – 90
B	81 – 87	C+	78 – 80
C	71 – 77	D+	68 – 70
D	61 – 67	E	Below 61.0

**Class Website:** <http://local.dcp.ufl.edu> or <http://web.dcp.ufl.edu>  
Find a reference to Jim Sullivan on the list of faculty.