

**M.E. Rinker Sr. School of Building Construction,  
University of Florida  
Course Syllabus  
BCN 1210 Construction Materials**

**Prerequisite:** None

**Description:** This course will familiarize students with the basic construction materials used in the building construction process such as material properties, aggregates, asphalt, concrete, steel, wood and masonry.

**Method:** 3 – 1 hr lectures

**Student Objectives:**

1. Have a basic understanding of basic construction materials. Materials that are used for horizontal construction, ie. roads and bridges; and vertical construction such as residential and commercial buildings.
2. Have an understanding of the design and construction of various types of structures using a variety of building materials based on cost, material properties and sustainability issues.

**Instructor:** Dr. Larry C. Muszynski, RNK 327, 273-1160  
E-mail: [larrym@ufl.edu](mailto:larrym@ufl.edu)  
Office hours:  
MW – 3<sup>rd</sup> and 5<sup>th</sup> period

**Texts:**

1. *Basic Construction Materials*, Theodore W. Marotta, 8<sup>th</sup> edition.
2. Powerpoints

<b>GRADING SYSTEM:</b>	6 out of 7 - Quizzes	=300 points
	Homework/Attendance	= <u>50 points</u>
	<b>Total</b>	<b>=350 points</b>

**Grades will be computed according to the University of Florida Grading Policy.**

A	93-100
A-	90-92.9
B+	87-89.9
B	83-86.9
B-	80-82.9
C+	77-79.9
C	73-76.9
C-	70-72.9
D+	67-69.9
D	63-66.9
D-	60-62.9
E	less than 60

**QUIZES:**

Quizzes will be one hour in duration and will be normally given during class hours.

*Note: Quiz dates a subject to change. Any changes will be announced in class or on the professor's web site for the class.*

**MAKE-UP EXAMS:**

No make-up quizzes will be offered or given.

**HOMEWORK:**

Assigned homework problems are due at the beginning of the next lecture period. **LATE HOMEWORK WILL NOT BE ACCEPTED.** All sketches should be neatly drawn using a scale. All answers should be underlined and pages stapled together. Homework may be graded by detailed checking or based on overall attempt. Instructor may choose not to grade some homework. Homework grades will be computed according to these policies.

**ATTENDANCE:**

**ATTENDANCE IS REQUIRED.** Instructor may choose the days for taking the roll.

**HONOR POLICY:**

The Rinker School policy agreed to by all faculty is that professors will **always** provide a failing grade **for the entire course** in which a student is found to be cheating on any test, quiz, paper, or project or any other academic dishonesty.

**CELL PHONES ARE TO BE TURNED OFF AND NOT ALLOWED TO BE USED DURING QUIZZES**

**OR EXAMS – THEY MUST ALSO BE PLACED IN YOUR BACKPACK OR PURSE AND NOT BE ON YOUR PERSON.**

**LAPTOP AND NOTEBOOK COMPUTERS ARE NOT TO BE USED DURING QUIZES OR EXAMS. THEY ALSO MUST BE TURNED OFF AND STORED APPROPRIATELY.**

**STUDENTS WITH DISABILITIES:**

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must provide this documentation to the Instructor when requesting accommodation.

**STUDENT RESPONSIBILITIES:**

1. Attend all classes and turn in homework when due.
2. Be aware of all the announcements or changes made by the instructor for this course.
3. Not to engage in talking or disruptive behavior in the class.
4. Read the text assignments before the class and come prepared with questions.
5. Work extra problems to understand each topic. Seek timely help if you are not making satisfactory progress.
6. Inform the instructor if you withdraw from this course or otherwise terminate your activity in this course.
7. Be honest in all homework and quizzes. Be aware of the Honor System at the University of Florida.
8. **You will need a calculator – smart phones will not be allowed in lieu of a calculator.**

**SEMESTER SCHEDULE**

<u>Week</u>	<u>Topics</u>	<u>Assignment</u>
1 - 2	Introduction and Properties of Materials	Ch 1 and PP

	Quiz	
3 - 4	Aggregates Quiz	Ch. 2 and PP
5 - 6	Asphalt Quiz	Ch. 3 and PP
7 - 9	Portland Cement Concrete Quiz	Ch. 4 and PP
10 - 11	Iron/Steel Quiz	Ch. 5 and PP
12 - 13	Wood Quiz	Ch 6 and PP
14 - 15	Masonry Quiz	Ch 7 and PP

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**THE ABOVE SCHEDULE IS SUBJECT TO CHANGE!**