

**M.E. Rinker Sr. School of Building Construction,
University of Florida
SUMMER 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: 4 – 1-1/4 hr lectures per week

Course Learning Outcomes (CLOs):

Upon completion of the course students will demonstrate their ability to:

- 1) Examine the properties of common construction materials and their behaviors under different environments, short- or long-term (SACS SLO1, ACCE SLO 8).
- 2) Assess material properties, mechanical tests and quality control tests for wood and wood products, concrete, masonry, glass, plastics, iron and steel, aluminum and aluminum products, paints and protective coatings, bituminous products, gypsum products, resilient flooring, and carpeting (SACS SLO 1, ACCE SLO 8).
- 3) Appraise appropriateness and sustainability of materials for construction projects (SACS SLO 1, ACCE SLO 18).

ASSESSMENT METHODS AND TARGETS:

Assessment	CLO 1	CLO 2	CLO 3	Target
Quizzes 1 through 6	X	X		At least 80% receive a B or better
Quiz 3,4 and 6			X	At least 80% receive a B or better

Instructor: Dr. Larry C. Muszynski, RNK 327, 273-1160
E-mail: larrym@ufl.edu
Office hours:
MTTh – 11:00am

Teaching Assistant: NA

Texts:

1. *Basic Construction Materials*, Theodore W. Marotta, 8th edition.
2. Powerpoints

GRADING SYSTEM: 6 - Quizzes =300 points

Total =300 points

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 75 minutes in duration and will be normally given during class time.

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

No make-up quizzes will be offered or given.

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 QUIZZES 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

Week	Topics	Assignment
1	Introduction and Properties of Materials Quiz	Ch 1 and PP
2	Asphalt / Aggregates Quiz	Ch. 3/2 and PP
3	Portland Cement Concrete / Aggregates Quiz	Ch. 4/2 and PP
4	Iron/Steel Quiz	Ch. 5 and PP
5	Wood Quiz	Ch 6 and PP
6	Masonry /Aggregates Quiz	Ch 7/2 and PP

THE ABOVE SCHEDULE IS SUBJECT TO CHANGE!