ARCHITECTURE, CONSTRUCTION & MANUFACTURING TECHNOLOGIES DIVISION

CONSTRUCTION TECHNOLOGY DEPARTMENT

COURSE SYLLABUS

COURSE NUMBER: CNBT 1311
COURSE TITLE: Construction Methods and Materials
CREDITS: 3 (3 lecture)
PREREQUISITE / COREQUISITE: CNBT 1201

INSTRUCTOR
James S. Walker, III

COURSE DESCRIPTION
Introduction to construction materials and methods and their applications.

END-OF-COURSE-OUTCOMES
Identify construction materials; list their applications; and identify and compare the various methods of construction.

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<th>STUDENT LEARNING OUTCOMES</th>
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COURSE OBJECTIVES

Upon completion of this course, the student will:

- Explain safety practices and procedures
- Describe commonly used building materials
- Describe construction documents
- Define terms associated with construction projects
- Identify the various methods used in construction
- Identify tables, charts, and guidelines for construction materials
- Recognize requirements in construction projects
- Describe methods and techniques for various types of construction
- Describe construction classifications and occupancy categories
- Demonstrate dexterity in selecting materials
COURSE POLICIES

Attendance
Students are expected to attend classes regularly, and to be on time for every class period. Students can be dropped from a class due to excessive absences. Excessive tardiness may be considered absences. Students are responsible for subjects, assignments, and projects covered during their absences. Consult the Student Handbook for more details or visit http://www.hccs.edu/hccs/current-students/student-handbook.

Academic Honesty
Scholastic dishonesty is treated with the utmost seriousness by the instructor and the College. Academic dishonesty includes, but is not limited to the willful attempt to misrepresent one's work, cheat, plagiarize, or impede other students' scholastic progress. Consult the Student Handbook for more details.

Students with Disabilities
Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Support Services Office at his / her respective college at the beginning of each semester. Faculties are authorized to provide only the accommodations requested by the Disability Support Services Office. For Central College, call 713.718.6164.

Cell Phones
All cell phones must be muted, set to vibrate, or turned off during class. Cell phone activity during class is deemed disruptive to the academic process and will not be tolerated. If you need to make or receive an emergency call, please leave the classroom.

Calculators
If the course allows the use of a calculator during class, lab projects, and exams, the student is responsible to bring his/her calculator. Cell phones are not calculators, and are not allowed to be used for that purpose during class, tests, or exams.

Student ID
Students are required to obtain a Student ID. For additional information, consult the Student Handbook.

Parking Rules and Regulations
Students are required to follow HCC's regulations regarding parking and permits. For additional information, visit http://www.hccs.edu/hccs/about-hcc/police/parking/parking-rules-and-regulations.

Books, Tools and Supplies
Students are required to purchase and bring to class the required textbooks, tools, notebooks, supplies, and writing instruments as required by the instructor.

Dress Code
Dress code must be appropriate for the class. Students must dress in a way that clothing and accessories do not compromise their safety, and the safety of others. Proper foot wear is required in all laboratories. Absolutely no sandals or other footwear that exposes the feet will be allowed.

Classroom & Laboratory Conduct
Proper behavior is expected in all classes and laboratories. Foul language and horseplay are not allowed. Making or receiving cell phone calls during class are not allowed. Sleeping in class is not allowed.
Course Withdrawal
It is the responsibility of the student to officially withdraw from a course before the official withdrawal deadline. A student who does not withdraw from a course by the deadline will receive an “F” as the final grade. Also note that under Section 51.907 of the Texas Education Code, an institution of higher education may not allow a student to drop more than six courses.
COURSE TIMELINE, CONTENTS & ACTIVITIES

Week 1: Course Rules and Orientation

Week 2: Making Buildings

Week 3: Foundations

Week 4: Wood

Week 5: Heavy Timber Frame Construction

Week 6: Wood Light Frame Construction

Week 7: Interior & Exterior Finishes

Week 8: Midterm Exam

Week 9: Concrete Construction

Week 10: Roofing

Week 11: Glass and Glazing

Week 12: Windows and Doors

Week 13: Construction Methods and Materials Project

Week 14: Construction Methods and Materials Project

Week 15: Review

Week 16: Final Exam