

**BCN 3730 CONSTRUCTION SAFETY
COURSE SYLLABUS
FALL 2011**

INSTRUCTOR

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Office Hours: Wednesdays 4:00 – 6:00 PM or by appointment

Lecture Hours: Wednesdays 6:25 – 9:05 PM

College of Engineering & Computing – Room 2410 and FEEDS

CATALOG DESCRIPTION

Introduces occupational safety hazards associated with the construction industry. Emphasis placed on recognition, evaluation and control of safety hazards particularly as they relate to the Occupational Safety and Health Act.

COURSE OBJECTIVES

The main objective of this course is to provide training on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces associated with the construction industry. Emphasis is placed on the recognition, evaluation and control of safety hazards particularly as they relate to the Occupation Safety and Health (OSH) Act of 1970 and OSHA. The course also provides information regarding workers' rights, employer responsibilities, and how to file a complaint.

This course aims to help students improve the working knowledge of construction safety, their communication skills and promote the sense of civic duty and responsibility with high moral and ethical standards as stated in the program mission statement (see below). An overall objective of the course is to provide effective education and appropriate training to students and prepare them to enter the construction profession (relates to program goal #1). The course covers ACCE specified topical contents as listed below (relates to program goal #11).

PRE-REQUISITE

None

REQUIRED TEXTBOOK

Construction Safety and Health by **David L. Goetsch** – Prentice Hall 2003

ISBN-10: 0130932159 | ISBN-13: 9780130932150

DEPARTMENTAL MISSION

The Department's mission is to provide enlightened leadership to the construction industry through its graduates; to increase and to improve the body of working knowledge; and to promote the interdisciplinary transfer of technology. The Department also strives to produce professional construction managers who are informed and participating citizens with a sense of civic duty and responsibility; persons with a sense of dignity whose actions express high moral and ethical standards; and professionals who strive to comprehend the impact of their work on their own lives as well as on the society in which they live.

ACCE CATEGORY: CONSTRUCTION

ACCE TOPICAL CONTENT

- Safe practices
- Mandatory procedures, training, records, and maintenance
- Compliance, inspection, and penalties

DISABLED STUDENTS

Students with disabilities who may need special accommodations should register with the Office of Disabilities Services, telephone (305) 348-3852. In addition they are encouraged to contact the instructor so that arrangements can be made to accommodate their needs.

ACADEMIC MISCONDUCT

Acts of academic misconduct, e.g., cheating, plagiarism, misrepresentation, etc., will not be tolerated. A student found to be engaging in such behavior will be charged with academic misconduct according to the University's Student Academic Misconduct procedures, see FIU Student Handbook. Consequences can range from receipt of a failing grade in the class to expulsion from the University.

CLASSROOM BEHAVIOR

The students are expected to behave in a manner that is professional, businesslike and most importantly – **conducive to teaching and learning**. In this respect students are strongly advised to switch off all cellular phones, pagers, etc before coming to the classroom, read the course material ahead of time, and engage in productive classroom discussions.

The Department of Construction Management adheres to the University's policy concerning religious holidays. Any student will be excused from attendance in order to observe a religious holiday for their faith. If an examination or presentation is scheduled on that date, an alternate date will be provided. Students are expected to inform the faculty, ahead of time, of such holidays.

REFERENCE TEXTBOOK

OSHA - *Occupational Safety & Health Standards for Construction* (29 CFR 1926).

GRADING POLICY

Attendance: 10%
Midterm Exam — 25%
Final Exam — 25%
Quizzes and class participation — 20%
Homework — 20%

ATTENDANCE POLICY

Attendance will count towards the final grade.

In order to receive OSHA's 30hr card students must attend **IN PERSON** all lectures in the calendar. Students taking the course via FEEDS who wish to obtain the 30hr card **MUST** come to class in person to all lectures. No Exceptions!

In the event of a student missing a class he or she might contact the instructor who would provide remedy.

Attendance will be taken each class at the beginning of the lecture, please be on time to sign the sign-in sheet since failure to sign will result in not obtaining the 30 hr OSHA card.

EXAMS AND QUIZZES POLICY

You should show all your calculations and state your assumptions in order to receive full credit. You should bring all necessary tools for the exam including calculator, ruler, extra pencil, eraser. Laptop computers or wireless devices including cell phones are NOT allowed during the exams. The use of cell phones during the exam is strictly prohibited. Any student who is found using a cell phone during the exam will receive a grade of zero points and may be subject to academic misconduct procedures.

No communications are allowed between students during the exams.

No exchanging of tools, papers, books pencils, pens or any other material is allowed during the exams.

Incomplete answers because student forgot his/her calculator will be penalized by 15% ~20% of the grade.

Bathroom breaks will be allowed only until the first student hands the exam for grading.

There will be no makeup exams or quizzes, unless a verifiable medical note is produced. Any student who fails to take any of the exams or quizzes will receive zero points in that evaluation.

No exceptions!

HOMEWORK POLICY

Homework will be assigned weekly online. Homework submission should be made online as well, no hard copies or email will be accepted as homework submission.

There will be no late homework accepted, unless a verifiable medical note is produced. Any student who fails to submit homework on time will receive zero points in that homework. No exceptions!

GRADING SCALE

		B+:	87 - 89	C+:	77 - 79	D+:	67 - 69		
A:	93 - 100	B:	83 - 86	C:	73 - 76	D:	63 - 66	F:	<=59
A-:	90 - 92	B-:	80 - 82	C-:	70 - 72	D-:	60 - 62		

RIGHT TO REVISE

The instructor reserves the right to make revisions to any item in this syllabus, including, but not limited to any of the items mentioned in the notes above.