



DR. DAVID WASHINGTON
 ASSOCIATE PROFESSOR
 OFFICE# 973-642-7915 RM# GITC 2504
 OFFICE HRS. 5:00PM TO 6:00 PM, WED



CONCRETE INDUSTRY MANAGEMENT

CIM 101-102 SPRING 2010
 INTRO TO THE CONCRETE INDUSTRY
 TIER 113 WED 6:00PM TO 9:05PM

COURSE OUTLINE

Website: [http:// web.njit.edu/~washd](http://web.njit.edu/~washd)
 moodle: [http:// moodle.njit.edu](http://moodle.njit.edu)

Email: washd@adm.njit.edu
[http:// itune.njit.edu](http://itune.njit.edu)

Main Text: VARIOUS RESOURCES AND HANDOUTS WILL BE DISSEMINATED IN CLASS

Supplementary References: PCA College Literature_CD ROM

One Page Summary Required for all industrial speakers and field trips:

Field Trip: (Based on Availability of Patrons)

Industrial Speakers to be announced based on their availability

Course Description: This course is an overview of the concrete industry including historical aspects, the chemistry, properties and uses of concrete, production and delivery, and management of production facilities. Students will also be introduced to concrete construction and contracting, environmental concerns, professionalism, and career opportunities in the concrete industry

MANDATORY Attendance required at Socials !!! (Patron visit to campus)

Concepts and Skills Developed:

1. Recognize various aspects of the concrete industry
2. Identify various materials and technologies that are employed for various applications in the concrete industry
2. Describe the processes of the Concrete Industry

WED

SESSION		DATE	TOPIC
SESSION 1	1	20-Jan	Course Introduction And Overview of Environmental Technology
SESSION 2	2	27-Jan	Professionalism - Career Placement
SESSION 3	3	3-Feb	Industry Overview
SESSION 4	4	10-Feb	Cement Industry/TEST#1
SESSION 5	5	17-Feb	Aggregate Industry
SESSION 6	6	24-Feb	Admixture Industry



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COURSE OUTLINE (CONTINUED)

SESSION	7	3-Mar	Equipment Suppliers
SESSION	8	10-Mar	Ready Mix Industry/TEST #2 (Spring Break -No Classes Scheduled - March 15th to 21st, 2010)
SESSION	9	24-Mar	Precast /Pre-Stressed Industry (MARCH. 30TH IS THE LAST DAY OF WITHDRAWAL)
SESSION	10	31-Mar	BLOCK INDUSTRY/PIPE INDUSTRY (APRIL 10TH -NO CLASSES SCHEDULED- GOOD FRIDAY)
SESSION	11	7-Apr	CONCRETE REINFORCEMENT
SESSION	12	14-Apr	CONTRACTING INDUSTRY/ASSOCIATIONS/INDUSTRY ADVANCEMENT
SESSION	13	21-Apr	MISCELLANEOUS TOPICS
SESSION	14	28-Apr	CLASS PRESENTATION AND FINAL EXAM REVIEW (CLASS ON TUESDAY - CLASSES FOLLOW A FRIDAY SCHEDULE)

FINAL EXAM - TBA



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COURSE POLICY

HOMEWORKS AND REPORTS:

All homeworks are due one week after it has been assigned. No homework will be accepted one week after its due date or after it has been reviewed in class. All homeworks will be graded on the basis of the student attempt to understand the concept presented in the text or class. Reports must follow the outline or format as directed in class.

Class sample problems are attempted with the teacher in class and are checked off at the end of class.

ATTENDANCE:

The student is responsible for those materials covered in class and any materials assigned as readings as noted by instructor. A student who misses a class is still responsible for submitting materials in on time or they can give adequate notice of any late submittals to the professor before the due date.

FINAL GRADE:

The final grade for the course will be determined by weighing the student's effort as follows:

Homework/Sample Problems	15%
Tests	30%
Field Trip/Papers/Projects	15%
Final Exam	40%

Makeup examinations will not be given. Therefore, if any student has a valid reason for missing an exam, they should discuss with the instructor an alternate method of weighing the final grade.

Exams and Quizzes:

All exams are cumulative unless otherwise noted by the instructor.

All exams are closed book and closed notes. A formula sheet written by the student will be accepted in accordance with the instructor's limitations.

The final letter grade will be determined by the total number of points received during the course. Any variations to any of the above requirements are at sole discretion of the instructor.

Office Hours/ Consultation:

Hours for advisement and consultation can be arranged with the instructor at a mutually convenient time. Please send emails and/or notify instructor before coming to the office.