

CM 1000-002 Fall 2009 Construction Orientation 1 (Class) - 3 (Lab) - 2 (Credit)

Prerequisite: None

Classroom: H-320

Class Periods: Mondays, 3:00 PM - 4:00 PM

Text: ENR Subscription

Other Refs: Texts, Videos, WebCT (Vista), Internet and Handouts

Grading: Exams 25% Each, Quizzes 35%, In Class work 15%

Letter grading follows: A=90-100, B=80-89, C=70-79, D=65-69, F= <65

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Office Hours Posted On My Office Window & Internet. Please make appointments by email to avoid waiting for other students.

| Week | Date | Subject of Lecture | Reference(s) |
|------|--------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1 | 8/24 | CM Policies Procedures and Ethics | Vista PowerPoint |
| 2 | 8/31 | Introduction, University and Construction Dept., Overview Industry Orgs & Sectors, Construction & US Economics Skyscraper #1 Video | PBS Video |
| 3 | 9/07 | Holiday | |
| 4 | 9/14 | ENR Subscriptions/ Skyscraper #2 Video, Discussion and Quiz | ENR/PBS Video |
| 5 | 9/21 | ENR Quiz/ Sustainable Development & Field vs. Office, Skyscraper Video #3 | Vista PowerPoint |
| 6 | 9/28 | ENR Quiz/ Construction Equipment Manufacturers, Equipment Types, Skyscraper Video #4 | ENR/PBS Video |
| 7 | 10/05 | Video # 5 Higher and Higher | ENR/PBS Video |
| 8 | 10/12 | TEST #1 NO CLASS | Classes 1-6 |
| 9 | 10/19 | Video #6 Las Vegas to Moesia | Video |

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|----|-------|-------------------------------|------------------------|
| 10 | 10/26 | Construction Top Threes | ENR/PBS Video |
| 11 | 11/02 | Building Information Modeling | Beck Group |
| 12 | 11/09 | Construction Safety, | Video One Too Many |
| 13 | 11/16 | Roles of Project Manager | Green Design |
| 14 | 11/23 | Review of Lectures | Attendance Optional |
| 15 | 11/30 | Roles of Superintendent | Video |
| 17 | 12/07 | TEST #2 NO CLASS | Classes 1-15 |

NOTE: This syllabus is intended to represent the general format of the class. The instructor may make changes if it is determined that such changes will better suit the needs of the students.

Catalog Description:

An introduction to construction industry careers; an overview of the construction industry sectors and the industry's impact on the economy; and discussion of the basics of the construction process. Also includes a preview of the construction degree curriculum and an overview of the Southern Polytechnic policies, procedures, and resources.

Course Objectives:

The student will be introduced to the fundamentals of the construction and development industries. By the end of the course, students should be conversant with the Construction curriculum at SPSU and the resources available to them. In addition, students will have a broader understanding of construction and the variety of opportunities in this exciting industry. This course begins to give students a broad-scope look at the construction industry and an understanding of the context of the degree that they seek. As students eventually take the Senior Capstone course, many of the topics addressed in CNST 1000 will be seen again. Therefore, the level of effort exerted by students in CNST 1000, and all other CNST courses leading to the Capstone course, will determine the preparedness and, ultimately, the success of each CNST student.

Expected Course Outcomes:

The student after taking this course will be able to:

- 1- Identify the **fundamentals of the construction and development industries.**
- 2- Identify different parts of the **construction curriculum at SPSU** that covers the fundamentals in item 1.
- 3- Identify the **resources available to them at CM program.**
- 4- Demonstrate understanding of **construction and the variety of opportunities in this industry.**
- 5- Demonstrate an understanding of the **context of the degree in CM.**

Specific Requirements for the Course:

NOTE: All assignments must be prepared using computer software (i.e., body shall be typed in Arial, size 11-font, double-spaced, 1" margins). All assignments shall be turned in on the date they are due. Assignments should be submitted using the university webmail system by email to Dr. Yar at yar@spsu.edu. Students are responsible for turning in assignments that are grammatically correct. Misspellings and grammar mistakes will be taken into consideration when assigning grades. Students shall proofread their work before submitting it for grading. Points will be deducted from any assignment that does not adhere to these requirements.

Class Participation:

Class participation is strongly encouraged. Different ways of participating in the course include, but are not limited to: 1) presenting a brief summary of reading material upon the instructor's request; 2) answering correctly specific questions posed by the instructor or other students during the lecture or discussion; or 3) generating active and lively discussion on concepts presented in class. If participation is not voluntary, the instructor will resort to random selection of students.

Students shall have read the ENR magazine for that week before coming to class. Discussions will involve current issues affecting and affected by the construction industry.

Cell Phone and PDA policy:

Use of cell phone/PDA/Pager/blackberry etc. during class is strictly prohibited and will result in the dismissal of the student from that particular class and the receipt of a "zero" for that class's particular assignment, exercise, exam, quiz, etc. This includes any noise or sound from the device during the lectures. The second incident/use of such devices during class will result in the withdrawal of the student from the class by the instructor. Withdrawal of the student by the instructor after the official "drop date" will result in the grade of a "WF" for the student.

Skyscraper Series (PBS):

A number of videos from the PBS series, "Skyscraper," and other construction-related videos will be viewed and discussed in class. Student participation in the video discussions is important. Arrangements to view these videos in the CNST conference room, outside of class time, can be made with the department's administrative secretary.

Tests:

Two tests will be given during the semester. No make up exam will be given to students absent during an exam period, unless arrangements/notifications are made with the instructor **in advance** of the exam period. Refer to the first sheet of this syllabus for grading details. Both tests will be counted towards your final grade.

ENR Quizzes:

Quizzes will be given sporadically to students regarding topics covered by the ENR magazine. ENR is required reading for this class. Reduced-price subscriptions will be made available to students in the second class period. Students are responsible for their own subscriptions. No make-up quizzes will be given. Students arriving late to class on the day a quiz is administered will not be allowed to take the quiz.

Guest Speakers:

During the semester, guest speakers from the fields of architecture, civil engineering, and/or construction, may give special presentations about those fields. As with all guest speakers, students are expected to be respectful, attentive and punctual. Students are responsible for all material indicated on the syllabus (including all course information placed on WebCT) and for material presented by guest speakers. **Each student is expected to prepare a one page outline of the guest speaker's presentation with 5-7 main points covered in the presentation. The student's outline should include speaker's name and work place and position information, date of the talk and the general topic covered and should end with student's own conclusion about the subjects covered. Outlines are due one week after each presentation by e-mail.**

NOTES:

- 1) Students are responsible for material covered in class and all assignments indicated on WebCT. Interview and field trip assignments on WebCT are not required unless indicated by the professor.
- 2) There will be no curve for the final grade, only straight averages. The minimum cutoff for an A is 89.5% and above; for a B is 79.5% and above; for a C is 69.5% and above; and for a D is 59.5% and above. Anything below a 65.5% is considered an F. The instructor reserves the right to lower these cutoff values depending on specific circumstances surrounding the overall performance of the class.
- 3) Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the counselor working with disabilities at (678) 915-7391 as soon as possible to better ensure that such accommodations are implemented in a timely fashion.
- 3) Students unable to participate in a class shall be responsible to submit homework on-time, according to the schedule due date. Such student shall make up for the missed class, on their own, without affecting the progress of rest of the students.