

CSM 4523 – CONSTRUCTION MANAGEMENT II – SPRING 2010

SECTION 901 - 2:30PM-5:15PM T (FS 3.530)

INSTRUCTOR: Yilmaz H.Karasulu, PhD
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OFFICE HRS: 9:00 am – 12:00 pm MW or by appointment

PREREQUISITE: CSM 4513.

CATALOG COURSE DESCRIPTION: (3-0) 3 hours credit. Continuation of CSM 4513 with emphasis on scheduling and project delivery methods utilizing applicable software. (Formerly ARC 4623. Credit cannot be earned for both CSM 4523 and ARC 4623.)

COURSE OBJECTIVES: A student completing CSM 4523 will be able to:

1. Develop an understanding of the construction system elements and contractual and ethical relationships.
2. Develop an understanding of parameter estimates for component systems.
3. Develop an understanding of how various building components fit together and their sequence.
4. Develop an understanding of the importance of scheduling the project to maximize the efficient use of resources.
5. Develop an in-depth understanding of the use and importance of scheduling software.
6. Develop an understanding of methodologies used to evaluate actual field progress.

COURSE POLICIES:

1. No late homework or make-up exams (excuses for such are defined by the university rules and regulations).
2. Students are encouraged to attend their classes. If absence is necessary, instructors are to be notified before the fact, if possible.
3. Each and every student is entitled to as much consultation time as may be required. To preserve the privilege of obtaining individual assistance, each student is expected to attend class regularly.
4. In-class participation and questions are encouraged. They may positively influence grading decisions in borderline cases.
5. All cell phones must be off, not vibrate, but off while in class. All cell phones will be inside back packs or otherwise stored away from the student during all examinations.
6. All students are required to have a University network account to access the computers and WebCT.

COURSE MATERIAL & RESOURCES:

Course Materials:

- All handouts and homework assignments will be delivered through WebCT.
- All project information and pricing criteria will be delivered through WebCT.

STUDENT CODE OF CONDUCT: Students are responsible for and encouraged to review the UTSA Student Code of Conduct. It can be found on the Judicial Affairs Web site (www.utsa.edu/osja/), in the UTSA Information Bulletin and is also available in the Office of Student Judicial Affairs and the Admissions/Registrar areas at the Downtown Campus and the 1604 campus.

SCHOLASTIC DISHONESTY: UTSA Student Code of Conduct Section 203.B states: "Scholastic dishonesty" includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, and any act designed to give unfair advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor, providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment), or the attempt to commit such an act.

GRADE POLICY	: Midterm Exam	24%	GRADE SCALE	: A	≥ 90
	Final Exam	25%		B	80 – 89.9999
	Homeworks	12%		C	70 – 79.9999
	Project 1	15%		D	60 – 69.9999
	Project 2	15%		F	≤ 59.9999
	Quizzes	10%			

CSM 4023 – CONSTRUCTION MANAGEMENT II – FALL 2010
Course Outline and Assignments

NO	DATE	TOPIC	ASSIGNMENTS	ACCE
1	Jan 12	Introduction, Course Requirements, Principles of Construction Planning Construction Planning and Scheduling – Terminology and Principles		5.21, 5.22, 5.23
<i>Jan 16, 2010 – Deadline to late register/add a class.</i>				
2	Jan 19	Activities , Tasks and Production – Gantt Charts and Precedence Diagrams	Project 1 - P3 Milestone 1 HW1	5.21, 5.22, 5.23
<i>Jan 19, 2010 – Martin Luther King Holiday.</i>				
3	Jan 26	CPM and Network Calculations	Project 1 - P3 Milestone 2	5.21, 5.22, 5.23
4	Feb 2	CPM and Network Calculations – Network Crashing	Project 1 - P3 Milestone 3 HW2	5.21, 5.22, 5.23
5	Feb 9	Project Controls, Communications and Reporting	Project 1 - P3 Milestone 4	5.21, 5.22, 5.23
6	Feb 16	Project Controls, Communications and Reporting	Project 1 - P3 Milestone 5 HW3	5.21, 5.22, 5.23
7	<i>February 23, 2010 – Midterm Exam</i>			
8	Mar 2	Construction Scheduling – Case Studies	Project 2 - MS Project Milestone 1	5.24, 5.25, 5.26
<i>March 9-14, 2010 – Spring Break.</i>				
9	Mar 16	Project 2 - HCSS - Subbids and Pricing	Project 2 - MS Project Milestone 2	5.24, 5.25, 5.26
<i>March 23, 2010 – Sophomore and Above Auto "W" Deadline.</i>				
10	Mar 23	Project Cost Control Principles and Delays	Project 2 - MS Project Milestone 3 HW4	5.24, 5.25, 5.26
11	Mar 30	Construction Planning and Productivity	Project 2 - MS Project Milestone 4	5.24, 5.25, 5.26
12	Apr 6	Project Monitoring, Information Management and Reporting	Project 2 - MS Project Milestone 5 HW5	5.24, 5.25, 5.26
13	Apr 13	Project Monitoring, Information Management and Reporting	Read Handout	5.24, 5.25, 5.26
14	Apr 20	Construction Scheduling – Advanced Topics and New Technologies	Read Handout	5.25, 5.26
13	Apr 27	Construction Scheduling – Advanced Topics and New Technologies		5.25, 5.26
<i>Final Exam - TBA</i>				

This Syllabus is provided for informational purposes regarding the anticipated course content and schedule. It is based on the most recent information available as of the date of its issuance. It is as accurate and complete as is possible at this time. The instructors reserve the right to make any changes deemed necessary and/or appropriate. An effort will be made to communicate any syllabus changes in a timely manner. Students are responsible for being aware of these changes.