KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS DEPARTMENT OF CONSTRUCTION ENGINEERING AND MANAGEMENT

Course: CEM 515 Project Quality Management FALL 2006

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Course Description

(3-0-3)

The objective of this course is to expose students to Quality knowledge and Quality improvement methods. Includes discussion on Quality standards, Quality needs and overall strategic plans, customer satisfaction and focus, tools for Quality Project Management, Statistical process control, tools for continuous improvement, recent developments in Quality in Constructed projects, ISO standards, survey of computer application software related to quality management.

Prerequisite: Graduate Standing

Course Requirements

Assignments and quizzes	10 %
Midterm exam	30 %
Term papers	15 %
Paper presntation	10%
Final Exam	35 %

Textbook: Barkley, Bruce and Saylor, James "Customer-Driven Project Management: building Quality into Project Processes," McGraw-Hill, New York, 2001

Additional resources <u>http://www.quality.org/</u> <u>http://deming.eng.clemson.edu/onlineq.html</u> <u>http://www.isixsigma.com/</u> <u>http://www.asq.org/perl/vqn/vqn_search.cgi</u> <u>http://www.maxwideman.com/</u>

Weeks	Topics	Reference
1	General introduction	
	Quality management- introduction & case study	Instructor Handouts
2	Quality management- introduction & case study	Instructor Handouts
	Total Quality Management-Introduction	TQM Xerox software
3	National day (substituted by Sep 14)	
	Tools of quality management	Student presentations
4	Tools of quality management	Student presentations
	Project Management & Quality	Chapter 3
5	Project Management & Quality	Chapter 3
	Midterm Exam	•
6	Historical prospective on Project Quality	Chapter 4
	Management	
	Historical prospective on Project Quality	Chapter 4
	Management	
7	Leadership and Quality	Chapter 5
	Leadership and Quality	Chapter 5
8	The Eight-Step Process	Chapter 6
	The Eight-Step Process	Chapter 6
9	Quality Project Review	Chapter 8
	Quality Project Review	Chapter 8
10	Translating Expectations to Specifications	Chapter 12
	Translating Expectations to Specifications	Chapter 12
11	Process Tools	Chapter 13
	Process Tools	Chapter 13
12	Methods of quality improvement- 6 sigma	Instructor Handouts
	Method of quality assessment- ISO 9000-2000	Instructor Handouts
13	ISO 9000- 2000	Instructor Handouts
	Quality Audit	Instructor Handouts
14	6 student presentations (10 minutes each)	See attachment for names
	7 student presentations (10 minutes each)	and dates.
15	7 student presentations (10 minutes each)]
	7 student presentations (10 minutes each)]

No.	ID #	Student Name	Title of the presentation
		Presentation Date 6 January 2007	
1	200265	AL-MOFARIJ, HANI MOSA SHA	
2	204916	AL-ZAHRANI, YASSER ABDULL	
3	207658	AL-GHANEM, TALAL ABDULRAH	
4	208567	SIDDIQUI, MUHAMMAD FAISAL	
5	230181	AL-MAHBASHI, MAJED KHALID	
6	230315	AL-MANSOUR, ALI HADI	
		Presentation Date 8 January 2007	
7	250453	AGHA, AHMED SAMY ALY MAHM	
8	250535	SALEM, ARUN KUMAR	
9	525089	AL-SHAMMARI, HUMOUD MUNAW	
10	525095	AL-SHAMMARI, SOUGHAIR SAA	
11	525102	AL-MUTAIRI, SULTAN HULAYE	
12	525103	AL-UTAIBI, MUHAMMAD MESHA	
13	525110	AL-REHAILI, FUAD AHMED	
		Presentation Date 13 January 2007	
14	526021	AL-QAHTANI, MOHAMMED SAAD	
15	526024	AL-HAWSAWI, TALAL MOHAMME	
16	883846	AL-HAWSAWI, MUHAMMAD	
17	884867	AL-MUTAIRI, HUMAID MAZYAD	
18	919175	AL-SHAKHL, EMAD MUHAMMAD	
19	923179	AL-HARETHI, ABDUL-GADER K	
20	932513	AL-ANAZI, FAHAD UBAID ISA	
		Presentation Date 13 January 2007	
21	968567	AL-FARDAN, ALI KHALIL ABD	
22	968624	AL-AL-ZAIN, MOHAMMED HASA	
23	971906	AL-HARTHI, MAJED HATEM HA	
24	980739	AL-SHAIKH, MOHAMMED BAKER	
25	983826	AL-KHALAF, FAISAL HABEEB	
26	990475	AL-HINDI, ISMAIL MOHAMMED	
27	993584	BAHAMDAN, ZIYAD SALEH MOH	

Some Date to observe

October 9, 2006- Submission of term paper topic- 5% deduction for late submission. November 27, 2006 Submission of draft term paper topic. December 18, 2006-2006 Submission of final term paper- 10% deduction for late submission