



King Saud University
College of Engineering
DEPARTMENT OF CIVIL ENGINEERING

GE 404: ENGINEERING MANAGEMENT
2nd Semester 1434/1435H

No	Topic	Reading Assignment	Duration "Weeks"
INTRODUCTION & PROJECT ORGANIZING			
1a	Introduction for Engineering Management	Ch. 1 & Class Notes	1
1b	Project Participants and Project Life Cycle	Class Notes	0.5
2	Contractual and Organizational Approaches	Ch. 1 & Class Notes	0.5
PROJECT PLANNING			
3	Project Time Planning: <ul style="list-style-type: none"> • Processes, and • Bar (Gantt) Chart 	Ch. 1	1
4	Network Model: <ul style="list-style-type: none"> • Activity-On-Node (AON), • Precedence Diagramming, and • Time_scaled network 	Ch. 2 (pp. 37-43) Ch. 4 (pp. 93-107)	2
5	Resource Leveling and Allocation	Ch. 7 (pp. 191-210)	1.5
6	Time-Cost Trade-Offs	Ch. 8 (pp. 237-249)	2
PROJECT FINANCING AND CONTROL			
7	Financial Management: Cashflow Forecasting	Class Notes	1.5
8a	Time Control	Ch. 5 (pp. 133-163) & Class Notes	1
8b	Cost Control	Ch. 5 (pp. 133-163) & Class Notes	1
9	Analysis of Scheduling Delay	Class Notes	2

First Mid-Term Exam: Tuesday 17/05/1435H (18/03/2014G) from 7:00 to 8:30 PM

Second Mid-Term Exam: Tuesday 29/06/1435H (29/04/2013G) from 7:00 to 8:30 PM

Textbook: Project Management with CPM, PERT, and Precedence Diagramming,
 3rd Edition, by Moder J., Phillips, C., and Davis, E.

Grading:

Mid-term Exams	40%
Assignments and Quizzes	10%
Final Examination	50%