



King Saud University
College of Engineering
DEPARTMENT OF CIVIL ENGINEERING

GE 404: ENGINEERING MANAGEMENT

No	Topic	Reading Assignment	Duration “Weeks”
1	Introduction for Engineering Management	Ch. 1	1.0
2	Introduction to Entrepreneurship	Class Notes	1.5
PROJECT PLANNING			
3	Project Participants and Project Life Cycle	Ch. 1	1.0
4	Project Time Planning: <ul style="list-style-type: none"> ◆ Processes, and ◆ Bar (Gantt) Chart 	Ch. 1	1.5
5	Network Model: <ul style="list-style-type: none"> ◆ Activity-On-Arrow (AOA), ◆ Precedence Diagramming, and ◆ Time_scaled network 	Ch. 2 (pp. 37-43) Ch. 4 (pp. 93-107)	2.5
6	Resource Leveling and Allocation	Ch. 7 (pp. 191-210)	1.5
7	Time-Cost Trade-Offs	Ch. 8 (pp. 237-249)	1.5
PROJECT ORGANIZING AND FINANCING			
8	Contractual and Organizational Approaches	Class Notes	2.0
PROJECT CONTROL			
9	Time & Cost Control	Ch. 5 (pp. 133-163) Class Notes	1.5

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

Grading:

Mid-term Exams	35 %
Assignments and Quizzes	10 %
Attendance and Class Participation	05 %
Final Examination	50 %