

**GE 404: ENGINEERING MANAGEMENT**  
**2<sup>nd</sup> Semester 1435/1436H**

No	Topic	Reading Assignment	Duration "Weeks"
<b>INTRODUCTION &amp; PROJECT ORGANIZING</b>			
1a	Introduction for Engineering Management	Ch. 1 & Class Notes	1
1b	Project Participants and Project Life Cycle	Class Notes	0.5
<b>PROJECT PLANNING</b>			
2	Project Time Planning: • Processes, and • Bar (Gantt) Chart	Ch. 1	1
3	Network Model: • Activity-On-Node (AON), • Precedence Diagramming, and • Time_scaled network	Ch. 2 (pp. 37-43) Ch. 4 (pp. 93-107)	2
4a	Resource Leveling and Allocation	Ch. 7 (pp. 191-210)	1.5
4b	Resource Leveling & Allocation using MS project software	Class Note	1
5	Time-Cost Trade-Offs	Ch. 8 (pp. 237-249)	1.5
<b>PROJECT FINANCING AND CONTROL</b>			
6	Contractual and Organizational Approaches	Ch. 1 & Class Notes	0.5
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	1.5

**First Mid-Term Exam: Sunday 10/05/1436H (01/03/2015G) from 6:30 to 8:00 PM**  
**Second Mid-Term Exam: Sunday 07/07/1436H (26/04/2015G) 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	48%
Assignments and Quizzes	8%
MS project software lab test	4%
Final Examination	40%

Week#	Week Start			Topic
	Day	Date (Geo.)	Date (Hijri)	
1	Sunday	25/1/2015	5/4/1436	Introduction
2	Sunday	1/2/2015	12/4/1436	Bar Chart
3	Sunday	8/2/2015	19/4/1436	AON
4	Sunday	15/2/2015	26/4/1436	Precedence & Time-scaled network
5	Sunday	22/2/2015	3/5/1436	Resource Leveling
6	Sunday	1/3/2015	10/5/1436	Resource Allocation
7	Sunday	8/3/2015	17/5/1436	MS project for Resource leveling & Allocation
8	Sunday	15/3/2015	24/5/1436	Time-Cost Trade-Offs
Spring Break	Sunday	22/3/2015	2/6/1436	Spring Break
9	Sunday	29/3/2015	9/6/1436	Contractual and Organizational Approaches
10	Sunday	5/4/2015	16/6/1436	Financial Management
11	Sunday	12/4/2015	23/6/1436	Financial Management
12	Sunday	19/4/2015	30/6/1436	Time Control
13	Sunday	26/4/2015	7/7/1436	Cost Control
14	Sunday	3/5/2015	14/7/1436	Analysis of Scheduling Delay
15	Sunday	10/5/2015	21/7/1436	Analysis of Scheduling Delay
Final Exam	Sunday	17/5/2015	28/7/1436	To Be announced by Colleague