



**GE 404: ENGINEERING MANAGEMENT**  
**1<sup>st</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
2	Contractual and Organizational Approaches	Ch. 1 & Class Notes	0.5
<b>PROJECT PLANNING</b>			
3	Project Time Planning: <ul style="list-style-type: none"> <li>• Processes, and</li> <li>• Bar (Gantt) Chart</li> </ul>	Ch. 1	1
4	Network Model: <ul style="list-style-type: none"> <li>• Activity-On-Node (AON),</li> <li>• Precedence Diagramming, and</li> <li>• Time_scaled network</li> </ul>	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
<b>PROJECT FINANCING AND CONTROL</b>			
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: Wednesday 05/01/1436H (29/10/2014G) from 5:30 to 7:00 PM**  
**Second Mid-Term Exam: Wednesday 18/02/1436H (10/12/2014G) from 5:30 to 7:00 PM**

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

**Grading:**

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