

IE 505 Tentative Lecture/Assignment Schedule

Lec #	Date	Day	Topic	Ch.	Assigned	Due	Remarks
1	26-Aug	Tu	Course Introduction, Problems in Prod. Mngt.	1			
2	28-Aug	Th	Elements of POS, Capacity Growth Planning	1			
3	2-Sep	Tu	Learning & Exp. Curves, Prod/Process Life Cycles	1	HW1	Proj Grps	
4	4-Sep	Th	Forecasting, Introduction, TS methods, Error Eval	2			
5	9-Sep	Tu	Trend-based and Seasonal methods	2	HW2	HW1	
6	11-Sep	Th	Aggregate Planning: Prototypical prob, LP				
7	16-Sep	Tu	Aggregate Planning: Linear Programming	3	HW3	HW2	
8	18-Sep	Th	Inventory Control, Known Demand: EOQ & Extens	4		Proj Prop	
9	23-Sep	Tu	Inventory Control, Known Demand: Qty Discounts	4	HW4	HW3	
10	25-Sep	Th	Inventory Control, Uncertain Demand: Newsboy	5			
XX	30-Sep	Tu	Rosh Hashanah				
11	2-Oct	Th	Inv, Uncertain Demand: Lot reorder point systems	5	HW5	HW4	
12	7-Oct	Tu	Extens of (Q,R) and (s,S), Multi prods, adv. Issues				
XX	9-Oct	Th	Yom Kippur				
XX	14-Oct	Tu	Exam 1				Till Ch 5
13	16-Oct	Th	Supply Chain Management: Obj, Trans prob, DRP	6		HW5	
14	21-Oct	Tu	SCM: Routing, Prod Design, Bullwhip, Multi-level	6	HW6		
15	23-Oct	Th	Material Reqts Planning: Inputs, explosion calculus	7		Proj Mid	
16	28-Oct	Tu	MRP: Lot-sizing (optimal and heuristic)	7		HW6	
17	30-Oct	Th	MRP: Lot-sizing with explosion calc, capacity pln	7	HW7		
18	4-Nov	Tu	Scheduling: Intro, simple rules, single m/c theory	8			
19	6-Nov	Th	Scheduling: single m/c theory, multi-machine	8	HW8	HW7	
20	11-Nov	Tu	Scheduling: stochastic, line balancing; Proj Mngt	8+9			
21	13-Nov	Th	Project Management: Critical path analysis, Ex.	9	HW9	HW8	
22	18-Nov	Tu	Project Management: AON, PERT, Crashing	9			
23	20-Nov	Th	Just-In-Time production of MTO assemblies	X		HW9	
24	25-Nov	Tu	Advanced Topics	X		Proj Report	
XX	27-Nov	Th	Fall Recess	X			
25	2-Dec	Tu	Project Presentations	X			
26	4-Dec	Th	Project Presentations	X	Take home final		

Revised

8/26/08