Text: Groover, Automation, Production Systems and Computer Integrated Manufacturing, Prentice Hall Second Edition (Only)

Text:: The Machine That Changed the World Womack, Jones, Roos MIT Press

Week	<u>Subject</u>	Chapter
1	Flexible Manufacturing Systems	16
2	Introduction to Automation	3
3	Industrial Robotics	7
4	Material Handling in Automation	9
5	Programmable Logic Controllers	8
6	Automatic Data Capture	12
7	(Term Project Proposal due) Product Design & CAD/CAM	
8	Mid-Term Exam	
9	Lean Production Womack Text	
10	Lean Manufacturing Womack Te	xt 27
11	Group Technology & Cellular Manufacturing	
12	Term Projects 1 Process Planning & Concurrent Engineering	
13	Term Projects 2 Production Planning & Control Systems	
14	Term Projects 3 Term Projects 4	
15	Final Exam	
	Midterm Exam	25%
	Final Exam	25%
	Group Lab Experiments	15%
	Technical Presentation	10%
	Term Project	25%