

# COURSE OUTLINE



## SURVEY OF MANUFACTURING PROCESSES

TEXT: MODERN MANUFACTURING PROCESSES  
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### WEEKLY SCHEDULE OF TOPICS, ACTIVITIES, AND ASSIGNMENTS

WEEK	DATE	LAB/ACTIVITY	LECTURE/DEMONSTRATION	ASSIGNMENTS
1		Lecture	Brief overview of course Introduction of Manufacturing Processes Manufacturing Safety	Chap. 1,17 HO
2		Lecture	Engineering Materials, Metals, Physical Metallurgy	Chap. 2
3		Lecture	Heat Treatment	Chap. 7
4		<b>Exam 1,</b>		
5		Lecture	Welding/Related Processes	Chap. 14
6		Lecture	Welding Related Processes	Chap. 14
7		Lab	Welding Symbols	Hand-out
8		<b>Exam 2</b>	Welding Lab	----
*		Spring Break	-----	
9		Lecture	Pattern Making, Casting Processes	Chap. 5
10		Lecture/Lab	Sand Castings	Handout
11		Lecture	Sand Castings (lab)	Handout
12		<b>Exam 3, Lab</b>	Field Trip	----
13		Lecture	Metrology, Metal Cutting Theory	Chap. 9
14		Lecture/Lab	Turning Processes/	Chap. 9
15		Lecture/Lab	Milling Processes	Chap. 10
16		<b>Exam 4</b>	Final's Week <u>Manufacturing Research Presentation</u>	