

بسم الله الرحمن الرحيم

Republic of Iraq
The Ministry Of Higher Education
& Scientific Research



University: Diyala
College: Engineering
Department:Mechanic
Stage: 1
Lecturer name: Sami A. Naw
Qualification: Msc of Mechanical Eng.
Place of work: University of Diyala

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Course Instructor	Sami A. Naw				
E-mail	samialazawi64@yahoo.com				
Title	principal of manufacturing processes				
Course Coordinator	Annually (3hr. weekly)				
Course Objective	Study the principal of manufacturing processes and production processes				
Course Description	Study of machining , joining , sheet metal forming ,production ,measurement ,				
Textbook	Textbook of Manufacturing Technology (Manufacturing Processes) By R.K. RAJPUT Five Edition 2012				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
		-	35	5	60
General Notes					

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Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assign	Notes
1	26/2/2017	Introduction and fundamental of Industrial engineering		Introduction
2	5/3/2017	Production machines and tooling		Introduction
3	12/3/2017	Engineering Materials - Metallic bond and grain structure- space lattices of metal		Materials
4	19/3/2017	Mechanical Behavior, Testing, and Manufacturing Properties of Materials		Mechanical properties
5	26/3/2017	Mechanical properties-tensile test –impact test- hardness test		Mechanical properties
6	2/4/2017	Dimensions, surfaces, and their measurement		measuring
7	9/4/2017	Production of ferrous material-iron ores- Production of big iron- Production of steel		Production
8	16/4/2017	Metal Casting- Classification of casting Processes		Casting
9	30/4/2017	Gating system- casting defects		Casting
11	7/5/2017	Fundamentals of metal forming		FORMING
12	14/5/2017	Shearing operations		Shearing
13	21/5/2017	Sheet metal processes		BENDING
14	28/5/2017	Presses for sheet metal working		PRESSES
15	4/6/2017	Welding processes- general technology of arc welding		Welding
16	11/6/2017	Welding Defects		Welding

INSTRUCTOR Signature:

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