

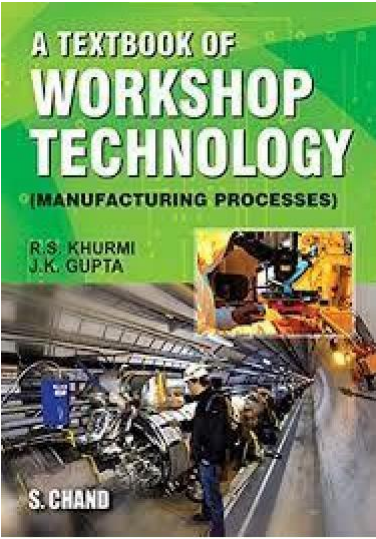


Module (Workshop and factories) Catalogue 2022-2023

College/ Institute	Erbil Technical Engineering	
Department	Mechanical and Energy	
Module Name	Workshop and factories	
Module Code	WOF202	
Degree	Technical Diploma <input type="checkbox"/>	Bachelor <input checked="" type="checkbox"/>
	High Diploma <input type="checkbox"/>	Master <input type="checkbox"/>
		PhD <input type="checkbox"/>
Semester	2	
Qualification	Msc in Mechanical Engineering	
Scientific Title	Lecturer	
ECTS (Credits)	5	
Module type	Prerequisite <input type="checkbox"/>	Core <input checked="" type="checkbox"/>
		Assist. <input type="checkbox"/>
Weekly hours	4	
Weekly hours (Theory)	(2)hr Class	(24)Total hrs Workload
Weekly hours (Practical)	(2)hr Class	(24)Total hrs Workload
Number of Weeks	12	
Lecturer (Theory)	HINDREN ALI SABER	
E-Mail & Mobile NO.	hindren.saber@epu.edu.iq , 07507430728	
Lecturer (Practical)	HINDREN ALI SABER	
E-Mail & Mobile NO.	hindren.saber@epu.edu.iq , 07507430728	
Websites		

Course Book

Course Description	<p>The course gives students a knowledge and experience about WORKSHOP & FACTORIES and helps them develop an understanding of its types and its applications with theoretical and practical information, the applications involves electric devices, welding, metal sheet, carpentry and lathe.</p>				
Course objectives	<p>(WORKSHOP & FACTORIES) aims are using prior knowledge taught in previous subjects, working the capabilities of engineering and making it attractive and useful for students, willing or not to opt for a mechanical profile. To sensitize the students about the relationship between technology and society by analysing the role of WORKSHOP & FACTORIES in this binomial and the sustainability of the current model of human activity</p>				
Student's obligation	<p>Student's obligation in WORKSHOP & FACTORIES course is:</p> <ul style="list-style-type: none"> • Attendance in the all lectures. • One or more quizzes in each course. • Attendance in practical hour in IC engines lab. • Other activities like reports and mechanical project. • Exam in end of first course • Practical exam at end of all courses. 				
Required Learning Materials	<ul style="list-style-type: none"> ➤ Datashow, and PowerPoint program in teaching in computer hall. ➤ White board . ➤ Web site to upload all lecture notes . 				
Evaluation	Task	Weight (Marks)	Due Week	Relevant Learning Outcome	
	Paper Review				
	Assignments	Homework			
		Class Activity			
		Report			
		Seminar			
		Essay			
		Project			
	Quiz				
	Lab.				
Midterm Exam					

	Final Exam	100		
	Total	100		
Specific learning outcome:	(WORKSHOP & FACTORIES) Students combine theory, graphical and analytical skills to understand the Engineering Design. Upon successful completion of the course, the student will be able to understand: <ol style="list-style-type: none"> 1- Electric devices. 2- Welding. 3- Carpentry. 4- Sheet metal. 5- Lathe. 			
Course References:	<p>Key reference:</p> <ul style="list-style-type: none"> • https://makefilms.cc/2018/01/25/factory-vs-workshop/ • https://wikidiff.com/factory/workshop • https://www.port.ac.uk/about-us/our-facilities/teaching-and-learning-spaces/student-workshop-and-advanced-manufacturing-lab <p>Useful Reference:</p> <ul style="list-style-type: none"> • A Textbook of Workshop Technology: Manufacturing Processes; 			
Course topics (Theory)	Week	Learning Outcome		

Practical Topics	Week	Learning Outcome
1. Electric devices	1-2	
2. welding	3-4	
3. sheet metal	5-6	
4. carpentry	7-8	
5. lathe	9-10	
Questions Example Design		

Extra notes:

External Evaluator

After viewing this course catalogue and its syllabus it is seems to me very good and sufficient to covers the required areas for students to understand fundamentals of WORKSHOP & FACTORIES and their analyses with best regards.



Dr. Banipal N. Yaqop