

Course Description Form

1. Course Name: Workshop 2	
2. Course Code: WORS246	
3. Semester / Year: Autumn/2023-2024	
4. Description Preparation Date: 1-4-2024	
5. Available Attendance Forms: Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
3hr/1.5unit	
7. Course administrator's name (mention all, if more than one name)	
Name: 1-Ahmed Saadoon Abdalaziz Email: Ahmed.saadoon@uomosul.edu.iq 2-Qays Hazim Ismail, qayshazim1970@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	-Student should be able to understand about methods mechanical machining. -Student should be able to understand how to select type of machining for production. -Student should be able to understand effect of machining conditions on surface finish of products.
9. Teaching and Learning Strategies	
Strategy	-Classification of machining methods -Types of machines in workshop -Mechanical measurements methods -Modern technology in machining -Make reports from students on machining. -Discussion -Motivation of practical skills on learning.

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3practical	Learning about meth of mechanical Machining.	Classification machining methods	Attendance (experiment).	Oral exam
2	3practical	Learning about Principles of turningII	TurningII	Attendance (experiment).	Oral exam
3	3practical	Practice on turning machineII	TurningII	Attendance (experiment).	Report
4	3practical	Learning about millingII	MillingII	Attendance (experiment).	Oral exam
5	3practical	Practice on milling machineII	MillingII	Attendance (experiment).	Report
6	3practical	Practice on abrasion machineII	Abrasion machineII	Attendance (experiment).	Oral exam
7	3practical	Practice on grinding machineII	Grinding machineII	Attendance (experiment).	Oral exam
8	3practical	Learning about types of welding methodsII	WeldingII	Attendance (experiment).	Oral exam
9	3practical	Practice on weldingII	WeldingII	Attendance (experiment).	Report
10	3practical	Learning about casting of metalsII	Casting of metalsII	Attendance (experiment).	Oral exam
11	3practical	Learning about sands of castingII	Casting sands lab.II	Attendance (experiment).	Report
12	3practical	Learning about types of measurements toolsII	MeasurementsII	Attendance (experiment).	Oral exam
13	3practical	Practice on measurements II	MeasurementsII	Attendance (experiment).	Report
14	3practical	Learning about non conventional machining methods	Non conventional machining	Attendance (experiment).	Oral exam
15	3practical	Learning about cutting by wire	Wire cut machine	Attendance(experiment)	Report
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc 1-Oral exams=15%					

- 2-Reports=10%
3-Term exam =25%
4-Final exam=50%

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	



رئيس قسم المكنان والآلات الزراعية
أ.د. نوفل عيسى محميد



رئيس اللجنة العلمية
أ.د. أركان محمد أمين صديق

