

## Course Description Form

1. Course Name: Workshop 1	
2. Course Code: WORS135	
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: <a href="mailto:Ahmed.saadoon@uomosul.edu.iq">Ahmed.saadoon@uomosul.edu.iq</a> 2-Qays Hazim Ismail, qayshazim1970@uomosul.edu.iq	
8. Course Objectives	
<b>Course Objectives</b>	-Student should be able to understand about methods of mechanical machining. -Student should be able to understand how to select the 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	
<b>Strategy</b>	-Introduction on mechanical machining -Classification of machining methods -Types of machines in workshop -Measurements methods -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 method of mechanical machining	Classification of machining methods	Attendance (experiment).	Oral exam
2	3practical	Learning about turning	Turning	Attendance (experiment).	Report
3	3practical	Practice on turning machine	Turning	Attendance (experiment).	Oral exam
4	3practical	Learning about milling	Milling	Attendance (experiment).	Report
5	3practical	Practice on milling machine	Milling	Attendance (experiment).	Oral exam
6	3practical	Learning about metals abrasion	Metals abrasion	Attendance (experiment).	Report
7	3practical	Practice on abrasion machine	Abrasion machine	Attendance (experiment).	Oral exam
8	3practical	Learning about grinding machine	Grinding of metals	Attendance (experiment).	Report
9	3practical	Practice on grinding machine	Grinding machine	Attendance (experiment).	Report
10	3practical	Learning about types of welding methods	Welding	Attendance (experiment).	Oral exam
11	3practical	Practice on welding	Welding	Attendance (experiment).	Report
12	3practical	Learning about casting of metals	Casting of metals	Attendance (experiment).	Oral exam
13	3practical	Learning about sands of casting	Casting sands lab.	Attendance (experiment).	Report
14	3practical	Learning about types of measurements tools	Measurements	Attendance (experiment).	Oral exam
15	3practical	Practice on measurements	Measurements	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

