

	Ministry of Higher Education and Scientific Research - Iraq Al-Naji University College of Engineering AI Engineering Department	
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MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Workshop Technology		Module Delivery
Module Type	Support		☐ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☒ Practical ☐ Seminar
Module Code	CEA1206		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	1	Semester of Delivery	1
Administering Department	AI Engineering	College	Engineering
Module Leader	Yousif Qays Yousif	e-mail	yousif.qays@alnaji-uni.edu.iq
Module Leader's Acad. Title	Assist. Lecturer	Module Leader's Qualification	MSc.
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date		Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتريات الإرشادية

Module Aims أهداف المادة الدراسية	Provide students with the fundamental technical knowledge and skills in workshop to recognize, analyze and solve problems, and to apply these abilities to the generation of new knowledge, ideas or products in industry.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Explain the use of measuring and bench fitting tools. 2. Show the use of safety equipment during workshop practice. 3. Knowledge and understanding the use of different tools. 4. Describe the basic concepts of different types of welding. 5. Display the ability to use different basic machining operations keeping all safety precautions in mind.
Indicative Contents المحتريات الإرشادية	

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا

Structured SWL (h/sem) الحمل الدرا ٣٣ المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدرا ٣٣ المنتظم للطالب أسبوعا	3.2
Unstructured SWL (h/sem) الحمل الدرا ١٧ غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدرا ١٧ غير المنتظم للطالب أسبوعا	1.8
Total SWL (h/sem) الحمل الدرا ٥٠ لـ للطالب خلال الفصل	50		

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	11	All
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Principles of safety in workshop and laboratories
Week 2	Machining process
Week 3	Machining process
Week 4	Sheet metal forming
Week 5	Sheet metal forming
Week 6	Welding process
Week 7	Welding process
Week 8	Mid 1 Examine
Week 9	Electricity
Week 10	Electricity
Week 11	Machining process
Week 12	Machining process

Week 13	Carpentry
Week 14	Carpentry
Week 15	Mid 2 Examine
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts		
Recommended Texts		
Websites		

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جاء جدا	80 - 89	Above average with some errors
	C - Good	جاء	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قائد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				