

## MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدر اسية							
Module Title	Eng	Engineering Workshops			le Delivery		
Module Type		Core			🛛 🖾 Lab		
Module Code		FEK 105			🗆 Tutorial		
ECTS Credits				🗷 Practical			
SWL (hr/sem)	150				Seminar		
Module Level	1		Semester o	f Deliver	Delivery 2		
Administering Department		FEK	College	СОБТЕК			
Module Leader	Mohammed Z. Hasan with a group of technicians		e-mail	Moham	op49@ntu.edu.i	iq	
Module Leader's Acad. Title		Assistant Professor	Module Leader's Qualification		M.Sc.		
Module Tutor	Mohammed Z. Hasan		e-mail	mohamop49@ntu.edu.iq		u.iq	
Peer Reviewer Name		Name	e-mail E-mail				
Scientific Committee Approval Date		17/06/2023	Version Number 1.0				

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

Module Aims, Learning Outcomes and Indicative Contents						
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية						
<b>Module Aims</b> أهداف المادة الدراسية	<ol> <li>1-Study Workshop Skills by explaining principles of all workshop skills.</li> <li>2-Explain a basic information about turning, milling, casting, welding, and other skills.</li> <li>3-Use all available possibilities in workshop to explain skills to students.</li> <li>4-Explain workshop skills theoretically and experimentally.</li> <li>5- Show pupils How to manufacture all spare part experimentally.</li> </ol>					
	A- Cognitive goals					
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	A1- Enhancing the analytical and practical abilities of the students by giving a complete summary of all the skills in the engineering workshops, a theoretical explanation of all the skills in the engineering workshops, which are as follows: engineering measurements, welding, filing, lathing, plumbing, grinding, scraping, milling and electrical installations in addition to their application Practically on the machines and devices in the workshops. B - The soft skills objectives of the course. Study the basic principles of skills for engineering workshops.					
Indicative Contents المحتويات الإرشادية	Analyzing the results obtained by the student through conducting practical experiments and reaching the extent of their truth through. 1- Observation and perception 2- Analysis and interpretation 3- Conclusion and evaluation)					

Learning and Teaching Strategies						
	استراتيجيات التعلم والتعليم					
Strategies	<ul> <li>Weekly lectures included</li> <li>1. Providing students with the basics and topics related to pre-skills education outcomes to solve practical problems through presentation, lecture or conducting experiments.</li> <li>2. Solving a group of practical and applied examples by the academic staff.</li> <li>3. Through discussion, students participate in solving some practical problems.</li> <li>4. The department's practical laboratories are monitored by the department's academic staff.</li> <li>5. Asking the student to visit the library and the international information network (the Internet) to obtain additional knowledge of the study subjects.</li> <li>Presenting a seminar (Seminar) by a student in front of his fellow students to enhance his confidence.</li> </ul>					

Student Workload (SWL) الحمل الدر اسي للطالب محسوب لـ ١٥ اسبو عا				
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	65	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4.3	
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	85	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	6.6	
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150			

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

Delivery Plan (Weekly Syllabus)				
المنهاج الأسبوعي النظري و التطبيقي				
	Material Covered	I		
Week 1	Study the welding skill theoretically.	I		
Week 2	Study the welding skill experimentally.			
Week 3	Study the measurement skill theoretically.			
Week 4	Study the measurement skill experimentally.			
Week 5	Study the casting skill theoretically			
Week 6	Study the casting skill experimentally.	I		
Week 7	Study the turning skill theoretically.	. <u> </u>		
Week 8	Study the turning skill experimentally			
Week 9	Study the milling skill theoretically.	I		
Week 10	Study the milling skill experimentally	i		
Week 11	Study the carpentry skill theoretically.	I		
Week 12	Study the carpentry skill experimentally	I		
Week 13	Study car workshop skill theoretically.	Ì		
Week 14	Study car workshop skill experimentally	l		
Week 15	Study the car workshop skill experimentally	I		
Week 16	Preparatory week before the final Exam	Ì		

Learning and Teaching Resources				
مصادر التعلم والتدريس				
Text Available in the Library?				
Required Texts	<ol> <li>Theory of Basic workshop skills with applications By By s. Gally math</li> <li>1- Workshop skill By Smith .jon</li> </ol>	Yes		

Recommended Texts	No
Websites	

Grading Scheme مخطط الدرجات							
Group	Grade	التقدير	Marks (%)	Definition			
Success Group	A - Excellent	امتياز	90 - 100	Outstanding Performance			
	<b>B</b> - Very Good	جيد جدا	80 - 89	Above average with some errors			
	<b>C</b> - Good	جيد	70 - 79	Sound work with notable errors			
(50 - 100)	<b>D</b> - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings			
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria			
Fail Group (0 – 49)	<b>FX</b> – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded			
	<b>F</b> – 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.