

	<p>Ministry of Higher Education and Scientific Research - Iraq</p> <p>University of Warith Al_Anbiyaa.... College of Engineering Oil and Gas Department</p>	
---	---	---

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Engineering Practices		Module Delivery
Module Type	Basic		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	ENG124		
ECTS Credits	4		
SWL (hr/sem)	100		
Module Level	UGI	Semester of Delivery	
Administering Department	OGE	College	Engineering
Module Leader	Ahmed Ihsan	e-mail	ahmed.ihsan@uowa.edu.iq
Module Leader's Acad. Title	Asst.Lect.	Module Leader's Qualification	PHD
Module Tutor	NA	e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	01/06/2023	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 والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	<p>Semester includes a display problem of representing the needs of the community using the learning method is based on the problem.</p> <p>The problem, which represents the needs of the community scenario includes a description of the problem is similar to the practical realities and limitations of the data that can be obtained by the engineer to reach a solution based on the research and information collection Presented.</p> <p>The other side includes the use of the computer program (AutoCAD soft.) to draw using the computer to build his skills in the field of engineering drawing and design.</p>
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. The student be able choose the mechanism of data collection to solve the engineering problem. 2. The student be able to determine many of solutions to solve the problem and choose the best. 3. The student be able to search of references using the web to solve the problem in an engineering method depend on mathematic. 4. Students be able to draw by using AutoCAD. 5. Students be able to write the scientific report In an organized and clear manner.
Indicative Contents المحتويات الإرشادية	<p>Indicative Contents will include:</p> <p>Solve problems by using the problems based learning.</p> <p>How to search and reach to the right information.</p> <p>how to take more effective notes.</p> <p>Work as group and how to participate more confidently in group discussion work.</p> <p>Improving accuracy in writing a scientific reports.</p>

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	<p>Using the problems based learning to give the following Subject-specific skills:</p> <ol style="list-style-type: none"> 1- Discussion. 2- Brain storming by encouraging students to produce a large number of ideas about some issue or problem raised during the lecture. 3- Self-learning by teaching the student by his own according to his special abilities and mental and cognitive levels responding to his preferences and interests to achieve development and integration of his capabilities. 4- Cooperative learning by team working. 5- Competitive learning by creating a competition among peers.
-------------------	---

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ 16 اسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	64	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	36	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	6,12	LO # 1, and 2
	Assignments	2	10% (10)	2,8	LO # 1, and 2
	Projects /	1	10% (10)	Continuous	All
	Report	2	10% (10)	4,10	LO # 2, 4 and 7
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	Definition the scenario problem in engineering practice, and definition the process of Problem Based Learning Method (PBL) in Engineering practice.
Week 2	Describe the drawing and modifying tools bar in AutoCAD.
Week 3	The scenario of problem in (PBL). The needs of the society (The Problem scenario)
Week 4	Discussion the scenario of problem, and determine the start point to solve the problem and how looking for references in the web.
Week 5	Drawing by using rectangular and polar arrays.

Week 6	Describe how write the items of the report of PBL.
Week 7	Advice on writing as a group.
Week 8	Determine the references required to solve problem determine the standard required.
Week 9	Draw different exercises for the layouts with dimensional mode.
Week 10	The scientific presentation items. Explanation of the interface of the power point software.
Week 11	Initial Report of the problem scenario. Discussions Initial Report of the problem scenario.
Week 12	Drawing with dimensions the shape by AutoCAD of the design of the problem scenario.
Week 13	Discussion the initial report of the groups. The first evaluation of student group reports
Week 14	Discussions and evaluating the Final report of groups of students.
Week 15	Discuss and evaluating the final report of the student groups by presenting to the final report using the PowerPoint software.
Week 16	Preparatory week before the final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Randy H. Shih , "AutoCAD 2016 Tutorial First Level 2D Fundamentals",	No

	Note: For problem scenario by PBL There is no required text book, however student will have to investigate online and library resources on the design process.	
Recommended Texts	-	
Websites	http://www.sdcpublications.com	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	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 (قيد 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.