

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Engineering Drawings I		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	CIV11104		
ECTS Credits	5		
SWL (hr/sem)	125		
Module Level	1	Semester of Delivery	1
Administering Department	Civil Engineering	College	Al-Mansour University Colloge
Module Leader	Makarim Noori Ali	e-mail	makarim.noori@muc.edu.iq
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	MS.c.
Module Tutor		e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	01/09/2023	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 Objectives أهداف المادة الدراسية	<ol style="list-style-type: none"> 1. identify, formulate, and solve complex engineering problems by applying principles of engineering, and science. 2. ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, considering the impact of engineering solutions in global, economic, and environment. 3. ability to function effectively on a team to provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives 4. Develop the thinking skills student's imagination ability and the ability to express and transfer the ideas in the form of geometric structures. 5. Wariness of ethical considerations in engineering design, such as protecting the privacy of study participants and avoiding misleading conclusions.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	<ol style="list-style-type: none"> 1. Understanding and Learn the theories and methods used in drawing different geometric shapes and structures. 2. Understanding of the importance of engineering drawings and how to use imagine to make decisions and draw concept about the engineering design. 3. Knowledge and Learn how to use the engineering theories used in drawing different geometric shapes. 4. Ability to use the engineering tools and different methods in drawing different geometric shapes 5. Accurate visualization and drawing of geometric shapes and structures manually. 6. Intelligent handling of geometric shapes and reading the engineering drawings 7. Ability to interpret the engineering drawings to an execution drawing
Indicative Contents المحتويات الإرشادية	<p>Indicative content includes the following.</p> <ul style="list-style-type: none"> • Engineering drawing tools Introduction, Engineering drawing instruments. [8 hrs] • Drawing sheet layout and drawing lines Layout of drawing sheets, title block, types of engineering lines [16 hrs] • Geometric construction and Principles of dimensions Engineering operations in engineering drawings, principles of dimension [16 hrs] • Principles of projections and Isometric Drawings Drawing the three projections and isometric drawing [16 hrs] • Revision problem classes [4 hrs]

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	<ul style="list-style-type: none"> Teaching students to definition of Engineering drawing Encourage students' participation in the exercises, and assignments expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering types exercises and some sampling activities that are interesting to the students. Practice testing (short question answers and exams).

Student Workload (SWL) الحمل الدراسي للطالب محسوب ل ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	62	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	4.4
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	125		

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

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction to engineering drawings
Week 2	Engineering drawing instruments
Week 3	Drawing sheet layout, and title block
Week 4	Types of engineering straight lines
Week 5	Types of engineering straight lines
Week 6	Types of engineering straight lines
Week 7	Engineering operations in engineering drawings
Week 8	Engineering operations in engineering drawings
Week 9	Engineering operations in engineering drawings
Week 10	Mid-term Exam
Week 11	principles of dimension & scales of drawing
Week 12	Drawing the three projection
Week 13	Drawing the three projection
Week 14	Isometric drawing
Week 15	Isometric drawing
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1,2	Lab 1,2: Engineering drawing instruments, Drawing sheet layout, and title block
Week 3,4,5	Lab 3,4,5: Types of engineering straight lines
Week 6,7,8	Lab 6,7,8: Engineering operations in engineering drawings
Week 9	Lab 9, 10 principles of dimension & scales of drawing
Week11,12	Lab 5: Drawing the three projection
Week13,14	Lab 6: Isometric drawing
Week 15	Lab 7: Filters

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Thomas E. French – Eleven Edition- Ohaio State University	Yes
Recommended Texts	1. Abdilrasool Al-Khaffaf – University of Technology	No
Websites		

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.				