MODULE DESCRIPTOR FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	***DESCRIPTIVE GEOMETRY***			**Module Delivery**	
Module Type	***SUPLEMENT***			Theory Lecture Tutorial	
Module Code	UOMU0203023				
ECTS Credits	4				
SWL (hr/sem)	85				
Module Level	1		**Semester of Delivery**	2	
Administering Department	Building and construction techniques		**College**	Al-Mustaqbal university	
Module Leader	Assist. lec Fatima Muslim Hadi		**e-mail**	fatima.muslim.hadi@uomus.edu.iq	
Module Leader's Acad. Title	***Ass.lecture***		**Module Leader's Qualification**	***None***	
Module Tutor	***None***		**e-mail**	***None***	
Peer Reviewer Name			**e-mail**		
Review Committee Approval	01/10/2025		**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	After successful completion of this course the student will be able to understand: 1. Descriptive geometry is a science that deals with ways of representing geometric objects graphically on a flat surface such as the surface of a drawing paper. 2. Descriptive geometry aims to solve problems related to the point, the line and the plane in space in a schematic solution. 3. How to represent the point, line, plane and solid in space. 4. He will be able to identify parallelism between two lines, parallelism between two planes, parallelism between a line and a plane. 5. Able to identify perpendicularity between two a line and a plane, perpendicularity between two coplanar lines, and perpendicularity between two planes. 6. Recognize about the intersection between two planes (not parallel) intersection between a plane and a line. 7. Recognize about intersection among solids, solids/plane, solids/line. 8. He will be obtains these solutions by using the basic rules of projection, which are the rules of (vertical projection), in which the three main aspects of projection (horizontal, facial, and lateral) are used, and in addition to these aspects, there are auxiliary levels of projection. 9. Descriptive geometry, in addition to dealing with points, lines, and planes, includes other topics such as the opening of surfaces, the intersection of bodies, the method of rotation in solving descriptive problems, and others. 10. Recognize about orthogonal and oblique axonometric.		
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The ability to draw geometric shapes and objects descriptively and spatially. Preparing the student to continue self-learning, acquiring skills and developing his potential. Engineering skills development.		

	The ability to choose the appropriate way to draw and express it. The ability to visualize spatially. The ability to address and solve engineering problems descriptively.
Indicative Contents المحتويات الإرشادية	**Preparing the student to continue self-learning, acquiring skills and developing his potential.**
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The ability to choose the appropriate method for designing and solving engineering problems and compare different drawing methods and choose the most appropriate. The wide capacity for spatial imagination.

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	3.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	37	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	85		

Module Evaluation
تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	3	4% (4)	4,6,10	LO # 4, 5 and 8
	Traditional lecture & In Classroom Activates	14	12%(12)	Continuous	1 -14
	Assignments	8	14% (14)	3- 9	LO # 3, 4,7 and 9
	Projects / Lab.	1	5% (5)	Continuous	
	Report	2	5% (5)	8	LO # 5 - 10

Summative assessment	**Midterm Exam**	1.5 hr	10% (10)	7	LO # 1-7
	Final Exam	3 hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)
المنهاج الاسبوعي النظري

	Material Covered
Week	**Syllabus**
1	Orthogonal projection.
2	Correctly implement the representation of a point, line, plane, solid.
3	Demonstrates knowledge about particular lays of a line, of a plane.
4	Able to identify parallelism between two lines, parallelism between two planes, parallelism between a line and a plane.
5,6	Able to identify perpendicularity between two a line and a plane, perpendicularity between two coplanar lines, and perpendicularity between two planes.
7,8	Demonstrates knowledge about the intersection between two planes (not parallel) intersection between a plane and a line.
9	Demonstrates knowledge about section line-plane, plane- plane.
10+11	Demonstrates knowledge about the intersection among solids, solids/plane, solids/line.
12	Demonstrates knowledge about orthogonal axonometric.
13	Demonstrates knowledge about oblique axonometric.
14	Demonstrates knowledge about representation of point, line, plane, solids.
15	
16	**Final Exam**

Learning and Teaching Resources
مصادر التعلم والتدريس

	Text	**Available in the Library?**
Required Texts	Descriptive Geometry / Jassim Al-Hayani Lectures prepared by the teacher	Yes
Recommended Texts		No

Websites	

APPENDIX:

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	مقبول بقرار	(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.

ملاحظة: هذا النموذج تم وضعه وتقديمه من قبل مديرية ضمان الجودة في وزارة التعليم العالي والبحث العلمي