MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	**Buildings Construction**			**Module Delivery**	
Module Type	**FE**			☒**Theory** ☒**Lecture** ☒**Lab** ☐**Tutorial** ☐**Practical** ☐**Seminar**	
Module Code	**CIER 220**				
ECTS Credits	**5**				
SWL (hr/sem)	**125**				
Module Level	1		**Semester of Delivery**	1	
Administering Department	Type Dept. Code		**College**	Type College Code	
Module Leader	Dr. Maloof Mahmood		**e-mail**	maloof.mahmood@muc.edu.iq	
Module Leader's Acad. Title	Lecturer		**Module Leader's Qualification**	Ph.D.	
Module Tutor	Name (if available)		**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 Objectives أهداف المادة الدراسية	1. Understanding of building materials. 2. Knowledge of building codes and regulations 3. Ability to design and plan buildings. 4. Understanding of construction methods. 5. Provide the student with the necessary skills to do so. Overall, taking a buildings construction course can help civil engineers to become more knowledgeable and skilled in building construction, which can help them to excel in their careers. 6. Recognize the Building Elements.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Knowledge of building codes is crucial in ensuring that buildings are constructed to meet the required safety standards. Professionals in building construction have a thorough understanding of building codes, rules, and regulations which they apply when planning and designing structures. 2. Students will be professionals in various capacities. Studying building construction can lead to various job opportunities, such as architects, structural engineers, project managers, builders, and contractors among others. 3. Exposes students to innovative and new techniques and approaches in the construction field. 4. Encouraging students to work in a group allows them to develop skills in negotiation, communication, delegation, and compromise, which are crucial in project management. 5. Building construction teaches students how to use sustainable materials and methods in building designs, thus creating buildings that are environmentally conscious. 6. Studying building construction helps individuals develop problem-solving skills, thus giving them an edge in the field.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. **Building Defining and Codes Required.** **Earth works Excavations and filings** **Types of Machines Used** **Types of Foundations and uses** **Piles Definitions, uses, and types.** **Brickworks, types, and method of constructions.** **Slabs, types, uses, and method of constructions.** **Columns, types, uses, and method of constructions.** **Stairs, types, uses, and method of constructions.** **Finishing, types, uses, and method of constructions.** **Metalwork's, types, uses, and method of constructions.**

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	The primary approach for teaching this module would be to promote active involvement of students in practice sessions, while simultaneously enhancing their ability to think critically. This would entail conducting classes, interactive tutorials, and incorporating straightforward exercises that involve fascinating drawing submittals to engage students.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	5
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	47	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	3
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, #2 and #5,
	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #5
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	All
Summative assessment	**Midterm Exam**	2hr	10% (10)	7	All
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction
Week 2	Types of buildings
Week 3	Earthworks
Week 4	Foundations
Week 5	Piles
Week 6	Concrete Works
Week 7	Brickworks
Week 8	Block works
Week 9	Slabs
Week 10	columns
Week 11	Wood works
Week 12	Metal wworks
Week 13	Stairs
Week 14	Gypsum
Week 15	**Finishing**
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	كتاب الرسم الهندسي لعبد الرسول الخفاف	Yes
Recommended Texts	Learn about AutoCAD: An Introduction to AutoCAD for Beginners	No
Websites	https://images-na.ssl-images-amazon.com/images/I/C1BxaOC0-IS.pdf	

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.