

Module Information معلومات المادة الدراسية			
Module Title	Building Constructions		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	UOMU0203041		
ECTS Credits	6		
SWL (hr/sem)	180		
Module Level	UGII	Semester of Delivery	
Administering Department	Technical building and Construction	College	Al-Mustaqbal university
Module Leader	Nora Fawzi Abdah	e-mail	Nora.fawzi.abdah@uomus.edu.iq
Module Leader's Acad. Title	Assis. lecturer	Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date		Version Number	1.0

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

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims	1. In this subject student will learn soil investigation and soil bearing capacity, foundation types, building of wall by many types of materials, types of beam and columns, isolation location and materials, finishing works. 2. To prepare them to carry out experimental investigation and analysis at later stages of graduation.
Module Learning Outcomes	The student will able to explain basic concepts related building. <ol style="list-style-type: none"> The student explains type of buildings and their usage aims. The student explains construction stages. The student explains functions of building elements.

	<ol style="list-style-type: none"> 4. The student explains types and properties of foundations . 5. The student prepares foundation plans of buildings. 6. The student expresses properties of different structures walls. 7. The student expresses properties of different structures floors. 8. The student draws details of foundation, walls and floors. 9. The student explains properties of mass buildings. 10. The student defines building elements of mass building. 11. The student explains principles of mass building and uses them in project drawings. 12. The student defines isolation materials using for heat, water, noise and fire insulation and explains their usage place.
<p style="text-align: center;">Indicative Contents</p>	<p>Site investigation and methods. Bearing capacity of soil and filed test. [2 hrs.]</p> <p>Excavation and supporting. [2 hrs.]</p> <p>Types of Foundation, excavation .reinforcing and concrete casting, dry of site ,Pile foundation, sheet piles and capping. [2 hrs.]</p> <p>Masonry stone work ,stone building,under ground and above. [2 hrs.]</p> <p>Brick and block works ,British and Flemish arrangements. [2 hrs.]</p> <p>Thermal insulation materials ,types and specifications and component. [2 hrs.]</p> <p>Concrete Forms, Timber forms , bracing for roofs and columns. [2 hrs.]</p> <p>Scaffolding types ,components. [2 hrs.]</p> <p>Columns classification and shape of failures. [2 hrs.]</p> <p>Beams types steel and timber,pre-cast, pre-stress. [2 hrs.]</p> <p>Damp proofing materials ,application and treatment of roof ,basement, wall. [2 hrs.]</p> <p>Floor and Finishing. [2 hrs.]</p> <p>Inner wall finishing by Gypsum ,paints ..etc. External wall finishing materials ;cement, stone, painting. [2 hrs.]</p> <p>Doors and windows and upstairs [2 hrs.]</p> <p>Type of maintenances, type of failure in building and treatment failures of building[2 hrs.].</p>

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

<p>Strategies</p>	<p>Assessment is based on</p> <ol style="list-style-type: none"> 1. Exams. 2. Student feedback.
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Student Workload (SWL)

الحمل الدراسي للطالب

Structured SWL (h/sem)	116	Structured SWL (h/w)	8
Unstructured SWL (h/sem)	64	Unstructured SWL (h/w)	4
Total SWL (h/sem)	180		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	4	20% (20)	3,5,6,10	
	Assignments	2	10% (10)	7, 8	
	Seminar	1	10% (10)	11	
Summative assessment	Midterm Exam	2 hr	10% (10)	12	
	Final Exam	3hr	50% (50)	16	
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري محتوى كل اسبوع يجب ان يغطي الوقت المحدد

	Material Covered
Week 1	Site investigation and methods. Bearing capacity of soil and filed test. Excavation and supporting.
Week 2	Types of Foundation, excavation .reinforcing and concrete casting, dry of site
Week 3	,Pile foundation, sheet piles and capping
Week 4	Masonry stone work ,stone building,under ground and above
Week 5	Brick and block works ,British and Flemish arrangements
Week 6	Thermal insulation materials ,types and specifications and component
Week 7	Concrete Forms, Timber forms , bracing for roofs and columns
Week 8	Scaffolding types ,components
Week 9	Columns classification and shape of failures
Week 10	Beams types steel and timber,pre-cast, pre-stress

Week 11	Damp proofing materials ,application and treatment of roof ,basement, wall.
Week 12	Floor and Finishing
Week 13	Inner wall finishing by Gypsum ,paints ..etc.External wall finishing materials ;cement,stone,painting.
Week 14	Doors and windows and upstairs
Week 15	Type of maintenances, type of failure in building and treatment failures of building

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	1. زهير زاكو/انشاء المباني 2. Handbook of building construction 2006 3. Internet s references	
Recommended Texts		
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.

