

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Building Construction		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 checked="" type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	CIV009			
ECTS Credits	5			
SWL (hr/sem)	125			
Module Level	UGII	Semester of Delivery	4	
Administering Department	CV101	College	Civil Engineering College	
Module Leader	Dr. Yousif A. Mansoor		e-mail	Yousif.mansoor@uoanabr.edu.iq
Module Leader's Acad. Title	Assist.Professor		Module Leader's Qualification	Ph.D.
Module Tutor	Lect. Thamar Yousif and Thafa Ahmed		e-mail	E-mail
Peer Reviewer 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	CIV001 building materials , CIV005 properties of concrete	Semester	2,3
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Aims</p> <p>أهداف المادة الدراسية</p>	<p>The design methods, construction material definition, field kills and construction technique are out of the aim of this course; however, the construction methods that are related to the common civil engineer's work are targeted. The topics of this course are almost presented in parallel with real construction stages to make it easy to be followed by civil engineer in the field</p>
<p>Module Learning Outcomes</p> <p>مخرجات التعلم للمادة الدراسية</p>	<ul style="list-style-type: none"> • Know about the basic of construction building such as wall, footing, slab, and stair • Know about the form type and steps of design. • Learn skills about reading and drawing construction building such as R.C elements details, plane of building. • Ability to do projects about construction. • Know about new materials that used in construction and also new constructed techniques
<p>Indicative Contents</p> <p>المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <p><u>Chapter one</u> Introduction: Definitions and reviews, - building: Classification of building: General: Additional Requirements, [3 hrs]</p> <p><u>Chapter Two</u> Earth work Exploration: soil failure, excavations mechanics , Procedure for excavation , production of excavation , water table [12 hrs]</p> <p><u>Chapter Three</u> Foundation ,, types,,deep and shallow foundation ,,definition ,,drawing works,,,,,detail of construction foundation [18 hrs]</p> <p><u>Chapter Four</u> Bricks work,,,,bonding type (British , German,,,,) wall works,,,,rock works ,,drawing [18 hrs]</p> <p><u>Chapter Five</u> Form work___scuffled,,,, type ,,technique of constructed ,,drawing works [12 hrs]</p> <p><u>Chapter Six</u> Slab,,,slab types ,,construction of slab ,,drawing works [12 hrs]</p> <p><u>Chapter seven</u> Damping proofing work,,,,,definition ,,constructed,,drawing details (6hr)</p> <p><u>Chapter eight</u> Finishing works ,,plastering ,,tile works,,,doors and windows ,,drawing works (18 hr)</p>

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Construction building courses needed to an effective learning and teaching strategies to develop students a strong understanding of construction concept and their practical applications. The range of strategies that can enhance the learning experience for students in construction building engineering courses. These strategies include lecture-based teaching, practical applications, problem-solving assignments, group work and discussions, technology integration, field trips and site visits, guest speakers, assessments and feedback, continuous learning, and encouraging self-directed learning. Learning building drawing, reading design details, and others. By incorporating these strategies, educators can create an engaging and comprehensive learning environment that equips students with the knowledge, skills, and critical thinking abilities necessary for success in the field of construction building.

Student Workload (SWL) الحمل الدراسي للطالب					
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	5.2		
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	47	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	3.13		
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	3	10% (5)	3, 6,10,14	LO #1, 3,5, and 7
	Assignments	12	15% (5)	2,,4,5,6,7,8,9, 11,13	LO # 4,5 and 7
	Lab.	10	10%(10)	All	All
	Report	Unspecified			LO # 2,6 and 7
Summative assessment	Midterm Exam	2 hr	25% (25)	7	LO # 1-4
	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 building construction including stages of construction and buildings type
Week 2	Earthwork: excavations and earth filling
Week 3	Footing and foundation
Week 4	Piles: uses and types
Week 5	Concrete works: mixing, transport, pumping, compaction, finishing and curing
Week 6	Brickwork
Week 7	Mid-term Exam
Week 8	Walls: types and function
Week 9	Floors and roofs
Week 10	Arches, lintels and sills
Week 11	Damp proofing
Week 12	Doors and windows
Week 13	Joints in buildings
Week 14	Structural drawing
Week 15	Construction drawing
Week 16	Final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: AutoCAD basic and definition for construction works
Week 2	Lab 2: learning a Drawing the exactions methods
Week 3	Lab 3: learning a drawing the foundation part 1
Week 4	Lab 4: : learning a drawing the foundation part 2
Week 5	Lab 5: learning a drawing the wall bonding part1
Week 6	Lab 6: learning a drawing the stairs
Week 7	Lab 7: learning a drawing the slab (reinforced and constructed)

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	B.C. Punmaia 'Building construction' reprinted 2015.	Yes
Recommended Texts	R. Chudley 'building construction handbook, 7th edition, 2008	Yes
Websites	https://www.uoanbar.edu.iq/Bank-Section.php	

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.