

Republic of Iraq
Ministry of Higher
Education and Scientific
Research
Supervision and Scientific
Evaluation Apparatus



College: Shatt Al-Arab University
Department: Civil Engineering
Stage: 2nd stage
Lecturer name: khalid alkharzan
Academic title: Assistant teacher

Course Weekly Outline

Name	Khalid Taher Habeeb			
E-mail address	Khalid.Tahir@sa-uc.edu.iq			
Course name	Building construction			
Course objective	1. Understanding the types of construction systems. 2. The steps of starting and completing construction projects. 3. Specifications and use of various construction equipment. 4. The requirements and methods of implementation of projects. 5. The general requirements and specifications of various construction works			
Course description	1. The ability to distinguish between different construction systems. 2. The steps of initiating and completing construction projects. 3. The use of specifications and various construction equipment. 4. Knowledge of construction methods and equipment. 5. Knowledge of the requirements and general specifications for building execution			
References	Zuheir Sako and Artin Levon "Building construction			
External sources	1. Edward Allen and Joseph Iano "Fundamentals of Building Construction Materials and Methods" 2. T.D. Ahuja and G.S. Birdi "CIVIL ENGINEERING building construction" 2. PURUSHOTHAMA RAJ "Building Construction Materials and Techniques			
Course assessment	Lab.	Quizzes and assessment	Mid-term exam	Final exam
	-	40	10	50
General notes	-			

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Week No.	Theoretical	Experimental	Aims
1	Introduction on building and construction projects	-	The course aim to provide the student with information related to for implementing Engineering projects foundation , piles , and construction works with details , and steps , with Bricks , finishes , etc
2	Earthworks and excavation using hand tools and the methods of supporting them.	-	
3	Excavation with mechanical equipment, dewatering, earth filling, and compaction.	-	
4	Shallow footings types and requirements.	-	
5	Raft, buoyancy, and pier foundations and the settlement and vibration of foundations.	-	
6	Pile foundations types and methods of installation.	-	
7	Concrete works details requirements and equipment.	-	
8	Masonry works units' types and requirements.	-	
9	Requirements and design of brick walls.	-	
10	Frameworks and scaffolding	-	

11	Water and dump proofing	-	
12	Joints in buildings	-	
13	Means of transition between levels.	-	
14	Beams, columns, and floor systems.	-	
15	Finishing works.	-	