



Course Weekly Outline

Name	Dr. Noor Al-Jabery		
E-mail address			
Course name	Construction Method		
General course objective	Introduction to the various construction techniques, practices, and equipment needed for different types of construction activities. It also leads the student through the steps of creating a detailed building estimate utilizing construction documents. Direct costs are generated by performing quantity take-offs and pricing with historical data, labor, and productivity rates. Students analyze subcontractor bids, generate indirect costs, and apply project margins to complete a building estimate.		
Course description / special objectives	Understanding of general concepts of methods of construction and/ oproject management, • Ability in: 1. Planning and scheduling of construction projects, 2. Estimating construction projects. 3. Participating in taking-over, final measurement, and acceptance of construction. 4. projects, selection of construction equipment properly. 5. Measuring of construction equipment and planning,		
References	1-Fundamentals of Behavioral Statistics,1988Peurifoy Robert L, and Ledbetter, William B. "Construction Planning, Equipment & Methods" 4th Edition, McGraw-Hill, 1985. 2- Nunnally, S. W. "Construction Methods and Management", 7th Edition, Upper Saddle River, New Jersey: Prentice Hall, 2007.		
External sources	Dutta, B. N. " Estimating and Costing in Civil Engineering- Theory and Practice", 24th Edition, USB Publishers' Distributors Ltd., New Delhi, 1999.		
Course assessment	Assignments and quizzes	Midterm Exam	Final exam
	40	10	50
General notes			

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



College: Shatt Al-Arab University College
Department: Civil Engineering
Stage: 4th stage
Lecturer name: Dr. Dr. Noor Al-Jabery
Academic title: Lecturer

Course Weekly Outline

Week No.	Theoretical	Unit-chapter	Aims
1	Construction equipment and engineering fundamentals.		This course covers a wide range of different construction methods, their optimal conditions and design methods with the aim of enriching the knowledge base of the civil engineer in the field of construction engineering in a way that enables him to solve potential engineering problems in this field effectively.
2	Soil stabilization and compaction, Tractors		
3	Bulldozers, scrapers.		
4	Excavating equipment		
5	Trucks		
6	The form works for concrete structures		
7	Estimation fundamentals		
8	Buildings estimation material		
9	Buildings estimation material		
10	Buildings estimation material		
11	Earthwork estimation		
12	Earthwork estimation		
13	Cost estimation		
14	Contracts and technical specifications		
15	Contracts and technical specifications		