

Faculty of Engineering & Technology

Execution Designs 3

Information:

Course Code: ARC 571 Level: Undergraduate Course Hours: 4.00- Hours

Department: Department of Architectural Engineering

Instructor Information :				
Title	Name	Office hours		
Lecturer	Nader Ibrahem Ismael Ibrahem	12		
Lecturer	Nader Ibrahem Ismael Ibrahem	12		
Assistant Lecturer	Nouran Ashraf Ali Abdeltawab	6		
Assistant Lecturer	BASMA MOHAMED NAGIB IBRAHIM KHALIFA	3		
Assistant Lecturer	Nouran Ashraf Ali Abdeltawab	6		
Teaching Assistant	Salma Mohamed Eltohamy Elgendy			

Area Of Study:

- 1. Demonstrate an entire set of integrated execution documents for projects presenting a complete architectural project with emphasis on structural, construction and technical working details.
- 2. Address areas like General conditions and specifications, Quantity surveying, Analysis of bids, Cost analysis, Shop and as built drawings.
- 3. Produce advanced execution documents for projects for a chosen architectural project.

Description:

Preparation of integrated execution documents for projects, Preparation of working drawings of a pre-designed project, Including wide spans, General conditions and specifications, Quantity surveying, Analysis of bids, Cost analysis, Shop and as built drawings.

Course outcomes:

a. Knowledge and Understanding: :

- 1 Understand how to prepare integrated execution documents for a project.
- 2 Recognize the role of preparing working drawings of a pre-designed project.
- 3 Understand a full and comprehensive knowledge of General conditions, Technical specifications, and Quantity surveying.
- 4 Understand how to make; Analysis of bids, and Cost analysis.
- 5 Understand characteristics of Shop drawings, and as built drawings.

b.Intellectual Skills: :

- 1 Analyze solution problems related to integrated execution documents.
- 2 Drive different solutions for preparation of working drawings of a pre-designed project.



c.Professio	onal and Practical Skills: :
1 -	Apply high techniques in the production of integrated execution documents for a project.
2 -	Employ new and various Quantity surveying techniques.
3 -	Utilize new techniques used in Cost analysis.
d.General	and Transferable Skills: :
1 -	Team work in research.
2 -	Share ideas and communicating with others.
3 -	Propose execution documents using different techniques.

Course Topic And Contents :			
Topic	No. of hours	Lecture	Tutorial / Practical
Introduction to Preparation of integrated execution documents for projects.	6	2	4
Preparation of working drawings of a pre-designed project.	6	2	4
General conditions.	6	2	4
Technical specifications.	6	2	4
Quantity surveying.	12	4	8
Analysis of bids.	6	2	4
Cost analysis.	6	2	4
Shop drawings.	6	2	4
As built drawings.	6	2	4
Practical Quantity surveying.	12	4	8
Final Quantity surveying project.	12	4	8

Teaching And Learning Methodologies:

Lectures.

Tutorials.

Research assignments.

Information collection from different sources.

Course Assessment :			
Methods of assessment	Relative weight %	Week No	Assess What
Assignments.	20.00		
Attendance & Participation.	10.00		
Final examination.	20.00		
Final Project.	20.00		
Mid-term examination(s).	30.00		

Course Notes:



Recommended books:

´Ábd El Gawad, Tawfic, Building Material and Building Construction.
´Mitchell年, "Building Construction", B.T.Batsford Itd London
´Éncyclopedia of Building Technology (Farouk Haider)
´Éncyclopedia of Building construction (Abd El Latif Elbakarie)
´ÁV.B. McKay, "Building Construction", Longmans.
´ÁMI volumes of: "Architecture working details"

Periodicals:			
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Web Sites:			

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