

Faculty of Engineering & Technology
Professional Practice and Legislations

Information :

Course Code : ARC 582 **Level :** Undergraduate **Course Hours :** 2.00- Hours

Department : Faculty of Engineering & Technology

Instructor Information :

Title	Name	Office hours
Lecturer	Nader Ibrahim Ismael Ibrahim	
Lecturer	DINA EID SAID KHATER	
Assistant Lecturer	Sameh Ibrahim Abdul Samie Ahmed Emam	

Area Of Study :

The main goal of this course is to:

1. Enhance the student's knowledge and awareness regarding the different roles he/she will play in his future professional practice.
2. Enhance the student's knowledge and awareness regarding the duties and rights of different parties of project life cycle: Client, Contractor, and Architect.
3. Train student to use "building law bylaw", "building safety code", and "Egyptian Engineers Syndicate" bylaws for fee estimation.

Description :

The course explains the roles and the relationship between the different participants in the construction process; the Architect, the contractor and the owner. It is a study of the professional practice, codes and legislations in terms of rights, commitments, ethics and scope of services. Types of contracts, fees and bidding are important issues of this course. Also, case studies of real sites are examined, discussed and analyzed in classes.

Course outcomes :

a. Knowledge and Understanding: :

1 -	Listing the Architect's Consultation services that can be provided to client.
2 -	Selecting the "suitable to use" Statement in case of planning and land dividing.
3 -	Selecting the "suitable to use" Statement in case of building design.
4 -	Defining the Architect's role, rights and commitment in light of the legislations and Egyptian Engineers Syndicate.
5 -	Defining the Contractor's role, rights and commitment in light of the FIDIC
6 -	Defining the contracts agreements types.

b. Intellectual Skills: :

1 -	Analyzing the architectural project legality in light of local building codes and legislations.
2 -	Evaluating construction contracts agreement and guarantee against construction flaws.

3 -	Evaluating a correct consultation contract between the client and the architect in light of the needed scope of work.
c. Professional and Practical Skills: :	
1 -	Calculating the architect's fee based on the needed scope of work according to the Egyptian Engineers Syndicate bylaws.
2 -	Applying "Building Law No.119 Est. 2008" and its bylaw in design projects.
3 -	Applying fire safety requirements in design projects.
d. General and Transferable Skills: :	
1 -	Searching for data in references.
2 -	Deal with colleagues according to professional ethics

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Planning Codes	6	2	4
Building Codes	6	2	4
Building fire protection Codes	12	4	8
Client/ Consultant relation; Consultation Contracts	6	2	4
Client/ Contractor relation; Construction Contracts	6	2	4
Introduction; Professional practice , and legislations roles	3	3	0

Teaching And Learning Methodologies :

Lecture
Case Based Analysis
Group Discussion

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final exam	40.00		
In Class Assignments	30.00		
Midterm Exam	20.00		
Participation	10.00		

Course Notes :

Course notes are required

Recommended books :

"Nassar; Gamal El-Din,
Arabic translation of conditions of contract for construction for building and engineering works designed by the employer, guidance for the preparation of particular conditions, forms of letter of tender, contract agreement and dispute adjudication board, 2001
"Egyptian Engineers Syndicate-Laws regarding the architecture profession
"Nigel Ostime,
Riba Architect's Job Book, 9th Edition, RIBA Publications, 2013.

Periodicals :

Nigel Ostime.
Riba Architect's Job Book, 9th Edition, RIBA Publications, 2013

Web Sites :

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