FUTURE UNIVERSITY IN EGYPT
جامعة المستقبل

Faculty of Engineering & Technology

Architectural Design 5

Information :

Course Code :	ARC 411	**Level :**	Undergraduate	**Course Hours :**	4.00- Hours

Department : Department of Architectural Engineering

Instructor Information :

Title	Name	Office hours
Lecturer	RANDA MEDHAT HUSSIEN KHALIL MOHAMED	2
Lecturer	DINA EID SAID KHATER	1
Assistant Lecturer	ETHAR ESSAM MAHMOUD ALY ELSHINAWY	
Assistant Lecturer	AMANY MEDHAT HUSSIEN KHALIL MOHAMED	1
Assistant Lecturer	BASMA MOHAMED NAGIB IBRAHIM KHALIFA	
Assistant Lecturer	Nouran Ashraf Ali Abdeltawab	2
Teaching Assistant	Salma Mohamed Eltohamy Elgendy	

Area Of Study :

Developing students preliminary design ideas into a full architectural project comprise major elements having wide structural spans. including architectural drawings, audio-visual presentations and physical or computer generated models.

Description :

Architectural design of complex, multi functional buildings comprising wide span elements, Programmed studies, Data collection and analysis, Realizing architectural design for multi functional buildings and groups of buildings, taking into consideration environmental issues as well as internal and external space studies.

Course outcomes :

a.Knowledge and Understanding: :	
1 -	Demonstrate knowledge and understanding of concepts and theories of basic applied and engineering sciences appropriate to architectural engineering.
2 -	Demonstrate knowledge and understanding of the basics of information and communication technology (ICT).
b.Intellectual Skills: :	
1 -	Solve architectural problems often on the basis of limited and possibly contradicting information.
2 -	Ability to derive different alternative solutions and reach architectural decisions considering balanced costs, benefits, technology applicability, safety, quality, reliability, site constraints, urban planning context and environmental impact.
3 -	Select and appraise appropriate ICT tools to a variety of architectural and engineering problems.
c.Professional and Practical Skills: :	
1 -	Conduct research and collect data from different resources.

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d.General and Transferable Skills: :	
1 -	Deal with others according to the rules of the professional ethics.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Projects data collection, site visits and data review.	24	6	18
Data Analysis.	16	4	12
pre-presentations of research work.	8	2	6
presentations of research work.	8	2	6
Development and follow up.	32	8	24
Final drawings, finishing and representation of projects.	24	6	18

Teaching And Learning Methodologies :

Lectures.

Design studios.

Research assignments.

Information collection from different sources.

Class discussions, sessions and design critiques.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Sketch.	5.00		
2nd Sketch.	10.00		
3rd Sketch.	15.00		
4th Sketch.	20.00		
Attendance.	10.00		
Final exam.	20.00		
Final project.	20.00		

Course Notes :

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Recommended books :

Ramsey, C.; Ray, J. & Hoke, Jr.Architectural Graphic Standards/Tenth Edition, AIA.
John Wiley & Sons Inc., 2000, NJ. USA/AIA. John Wiley & Sons Inc.

Chiara, J.Time Saver Standards for Architectural Design.

Periodicals :

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Web Sites :

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