Faculty of Engineering & Technology

Parametric Design Applications

Information :

Course Code :	ARCE31	**Level** :	Undergraduate	**Course Hours :**	2.00- Hours

Department : Architectural Engineering

Instructor Information :

Title	Name	Office hours
Lecturer	Marwa Abdelkader Mohamed Elgendey	1
Assistant Lecturer	Sameh Ibrahiem Abdul Samie Ahmed Emam	
Assistant Lecturer	Kamal Abdeleziz Ali Selim	
Teaching Assistant	Mariam Maged Kamal Eldeen Mohamed Gomaa	
Teaching Assistant	Heba Mohamed Abdullah Ahmed Ghuneim	

Description :

This course explores the techniques and tools used in parametric modeling and computational design as a foundation for design optimization. The class introduces several parametric design modeling platforms and scripting environments that enable rapid generation of 3D models and enable rapid evaluation of parametrically driven design alternatives. The course will tackle the Design exploration using parametric modeling platforms such as Revit and Rhino. The students will get introduced to Visual scripting languages and environments such as Grasshopper, Dynamo, and Design Script.

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