



National University of Sciences and Technology

School of Art, Design and Architecture

Arch-806 – Parametric Design & Optimization

Credit Hours:	2+1	Semester:	Fall
Instructor:			
Email:			
Website:			
Counseling Hours:			
Research Assistant:		Office:	
Email:		Extension:	
Website:			
Pre-requisites:	None		
Course Description:	<p>The aim of this course is to prepare students to develop computational skills which may be applied to the architectural design field leading to dynamic solutions. The objective of this course is to provide participants with the necessary knowledge and ability to use Grasshopper, a free visual programming plugin in Rhinoceros. The course aims to provide a detailed insight to 'parametric design' and embedded logics behind it, along with an understanding of data-driven design strategies. 4Studio work will be focusing on modulation of geometry and iterative form using Parametric Design methods that will lead to explorations of spatial geometries that can be articulated as architectural constructs or abstract artistic interventions.</p>		