



National University of Sciences and Technology

School of Art, Design and Architecture

Arch-802 – Advanced Architectural Design Studio II

Credit Hours:	1+5	Semester:	Spring
Instructor:			
Email:			
Website:			
Counseling Hours:			
Research Assistant:		Office:	
Email:		Extension:	
Website:			
Pre-requisites:	None		
Course Description:	<p>The objective of this course is the exploration of technology, fusion of computation with architecture and urban design. Two parallel Studio projects will be running at varying tracks: Responsive Architecture (Technology), Architecture & Urban Design. The purpose of running two parallel projects with diverse nature is to enable students to explore their ability of being facilitated and enhanced by the knowledge of their instructors by choosing any one of the two projects according to their aptitude and skills.</p> <p>The objective of the technology-based stream is to derive technological solutions for architecture design in relation to building performance, aesthetics and structure. Students will be exploring a variety of ideas by using advanced computational design, algorithmic strategies for visualization and navigation of 3D models. The idea is exploration of complex and geometrical design through digital fabrication and 3D printing mechanism.</p> <p>Given that our ideas and notions of how we live, work and leisure keep evolving with time and the environment also influences our perception on which we might have based our past experiences. Additionally, with street crime and safety becoming a major issue in most large cities around the world, the urban design project looks to find a solution to these and other issues via an urban scale inquiry.</p>		