



National University of Sciences and Technology  
School of Art, Design and Architecture

ARCH-241 Structure I

Credit hours :	3(2-1)	Semester:	Fall
Instructor:	Uzma Iffat Karim		
Counseling Hours:			
Research Assistant:		Office:	
Email:		Extension:	
Website:			
Pre-requisites:	None		
Course Description:	The course is designed to develop the basic understanding of fundamentals of structural concepts. After the application of equation of equilibrium, free body diagrams are developed, a thorough understanding of how to draw FBD is of primary importance to understand the structural mechanics. Then it will be slightly progressed towards the implementation of these structural concepts to structural elements. The course is designed at the basic level to raise architectural student's perception for structure as an integral part of architecture rather than an applied technology. Aim of this course is to equip the students with basic structural mechanism of various structural components with different material and geometry and their load paths and load distribution. Mechanics of solid part is also included in the course. It is expected that good understanding would be developed of various types of stresses & strains.		