



National University of Sciences and Technology

School of Art, Design and Architecture

ARCH-253 – Visual Communication III, CAD

Credit Hours:	3(1-2)	Semester:	Spring
Instructor:		Office:	
		Extension:	
Counseling Hours:			
Research Assistant:		Office:	
Email:			
Website:		Extension:	
Pre-requisites:	Visual communication II		
Course Description:	<p>The course specifically do not intend to provide tutorials of Auto CAD rather intend to make students understand that Auto CAD is a much versatile tool that can help them improve the quality of not only their production but also the quality of the Design development and conceptualization.</p> <p>The Course intends to educate students the importance of CAD in terms of Productivity, Accuracy & Precision, Drawing Quality, and Time economy by using the 'good old drafting' techniques for presenting their design concepts and ideas digitally. Not only presenting but also refining and developing their perceived notions and concepts quickly and efficiently.</p> <p>The course will provide extended coaching in 2D & 3D working in Auto CAD, starting from introduction to user interface to complex 3D operations.</p> <p>The assignments/exercises will intend to develop not only their drawing & drafting skills, understanding of 2-Dimensional & 3-Dimensional presentations, presentation techniques & renderings in CAD and more importantly 'visualization' & 3D modeling.</p> <p>Course will provide the students, knowledge of how to drawing and develop design concept in 2D with quick shortcuts, convert the same drawings as base drawings for presentations in different medias and further convert the same drawings in to working drawings. Management and coordination of drawings utilizing different tools embedded in Auto CAD for the purpose.</p> <p>Similarly, course will be provided information on how to export 3D Models in other Visualization and Simulation programs for further design studies and renderings.</p> <p>Course will also provide students introduction to different prevailing and popular software in terms of Visualizations and Simulations.</p> <p>The medium of work for this course is digital. All work thus produce will be required to be submitted not only in digital format but also in printed format.</p>		