Course unit title:	**DIGITAL TOOLS I**		
Course unit code:	**APX211**		
Type of course unit:	**Compulsory**		
Level of course unit:	**Diploma Degree of Architect - Engineer**		
Year of study:	**2**		
Semester when the unit is delivered:	**3**		
Number of ECTS credits allocated :	**5**		
Name of lecturer(s):	**Charis Solomou**		
Learning outcomes of the course unit:	1. Ability to design accurate and detailed two-dimensional drawings in digital form (CAD) 2. Designing simple three-dimensional drawings in digital form (CAD) 3. Be able to present their design intentions through digital drawings (CAD)		
Mode of delivery:	Face-to-face		
Prerequisites:	APX113	Co-requisites:	None
Recommended optional program components:	None		
Course contents:	Through the course, students have a first contact with computers as tools of design and representation and aims to introduce the possibilities that different software have to offer. Specifically, the course focuses in the two-dimensional design and representation through the architectural design, familiarizing students to produce architectural drawings and images and present their design ideas.		
Recommended and/or required reading:	Class notes		
Textbooks:	Lectures' Notebook		
References:	• Peter Szalapaj, ***Representation of Architectural Form***, Architectural Press, Oxford U.K., 2001 • Peter Szalapaj, ***Contemporary Architecture and the Digital Design Process***, Architectural Press, Oxford U.K., 2005		
Planned learning activities and teaching methods:	The taught part of the course is based both on lectures for the theoretical background and the practice inside the digital laboratory for the practical of theory. The aim of the lectures is to provide students a theoretical knowledge about the use of computers as a representation tool of their design intentions. Furthermore students are learning to use design packages for the presentations of their design proposals. The practice is based on the operation of the digital lab through a continuous CAD software exercises and corrections in parallel and collaboration with faculty. Through the operation of the digital lab, students develop abilities to work autonomously and develop self-criticism skills, while the practical of theory is supported and promoted students creativity.		
Assessment methods and criteria:	Participation 20% Work Assignments 30% Final Coursework 50%		
Language of instruction:	Greek English offered for Erasmus Students		
Work placement(s):	None		