

Basic course data			
Academic unit:	Faculty of Architecture, Design and Wood Technology		
Program:	Interior Architecture and Furniture Design		
Course title:	CAD II		
level:	Bachelor		
Course status:	Mandatory		
Year of studies:	II		
Number of hours per week:	4		
Value on credit - ECTS:	6		
Subject teacher:	MSc. Faton Spahiu		
Contact details:	faton.spahiu@ushaf.net		
Course description:	<p>This course aims to introduce the introduction to the ArchiCAD program in advanced manner, 3D architectural modeling and understanding of BIM (Building Information Modeling).</p> <p>This course introduces the basics of BIM (Building Information Modeling) through the creation of a 3D virtual Model of the building with architectural tools and elements (walls, columns, slabs, roof, morph, doors & windows, objects, stories, etc.), and continues in other topics such as the creation of 3d products of Interior design (morph) graphic documentation - drawings (layouts) and the creation of visualizations (rendering).</p>		
Course objectives:	The aim of this course is to provide students knowledge about the design of buildings, interiors and the creation of interior design products by using Archicad software.		
Expected learning outcomes:	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> • Creates buildings plans and generate sections, facades and 3Ds, • Create 3d models of interior design, • Print the drawings in different formats and scales 		
Contribution to student workload corresponding to student learning outcomes			
Activity	Hours/Day	Week	Total

Lectures	2	15	30
Theoretical / laboratory exercises	1	15	30
Practical work	3	1	3
Contacts with the teacher / consultations	1	11	11
Field exercises	5	1	5
Test			
Homework			
Student's own study time (in the library or at home)	3	15	45
Final preparation for the exam	1	25	25
Time spent on assessment (final exam)	1	2	1
Projects, presentations, etc.			
Total			150
Teaching methodology: <i>Lectures and exercises combined with case studies</i>			
Evaluation method: <i>Class attendance: 10%, Weekly assignments: 10%, Semester assignments: 20%, Final exam: 60%, Total: 100%</i>			
Literature			
Basic literature: [1]. <i>Training Guide for Archicad</i> , by Thomas M.Simmons January 1,2006. [2]. <i>Archicad 19 – The definitive Guide</i> by Scott H. MacKenzie – June 30,2015			
Additional literature: [1] <i>ArchiCad 23 Reference Guide</i> , by Graphisoft. [2] <i>Archicad Online Help</i> <i>Archicad Tutorials – Training Guides, text + video</i> http://www.graphisoft.com/learning/training-materials/			
Designed lesson plan:			
Week	The lecture that will take place		
First week:	Understanding BIM		
Second week:	Defining the Geometry		
Week third:	Developing the building forms		
Week four:	Establish the building slabs		
Week fifth:	Developing 3d Model		
Week sixth:	Working with windows and doors		
Week seven:	Completing the building envelope		
Week eight:	Understanding objects and GDL		
Week ninth:	Adding Circulation		

Week ten:	Creating of interior design products (morph tool)
Week eleven:	Creating of interior design products II (morph tool)
Week twelve:	Adding Details
Week thirteen:	Viewing the building information
Week fourteen:	Mesh tool
Week fifteen:	Positioning and printing building plans
Academic policies and etiquette:	
<i>Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.</i>	