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:	**7**		
Subject teacher:			
Contact details:			
Course description:	This course aims to introduce the introduction to the ArchiCAD program in advanced manner, 3D architectural modeling and understanding of BIM (Building Information Modeling). 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).		
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:	By the end of this course, students will be able to: • 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	0	0	0
Homework	0	0	0
Student's own study time (in the library or at home)	3	22	66
Final preparation for the exam	1	25	25
Time spent on assessment (final exam)	1	2	1
Projects, presentations, etc.	0	0	0
Total			**171**

Teaching methodology:	*Lectures and exercises combined with case studies*
Evaluation method:	*Class attendance: 10%, Weekly assignments: 10%, Semester assignments: 20%, Final exam: 60%, Total: 100%*
Literature	
Basic literature:	*[1].Training Guide for Archicad, by Thomas M.Simmons January 1,2006.* *[2].Archicad 19 – The definitive Guide by Scott H. MacKenzie – June 30,2015*
Additional literature:	*[1] ArchiCad 23 Reference Guide, by Graphisoft.* *[2] Archicad Online Help* *Archicad Tutorials – Training Guides, text + video* *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:	
Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.	