

The basic data of the subject			
Academic unit:	Faculty of Architecture, Design and Wood Technology		
The title of the subject:	CAD Specialization		
Level:	Master		
The status of the subject:	Mandatory		
Year of study:	I		
Number of hours per week:	4		
ECTS:	5		
Time / location:			
Professor:	Prof. Ass. Dr. Rrahim Sejdiu		
Contact:	rrahim.sejdiu@ushaf.net		
Description of the subject:	<p>Depth knowledge of 3D Modeling and its Concepts, Identification and selection of software programs used in 3D modeling (depending on the problem). Modeling of complex objects through 3D programs. Modeling of chair, armchair, wall coverings, tables etc. Modeling of parametric designs.</p>		
Purpose of the subject:	<p>Students will use computer programs to familiarize themselves with the design principles. Projects include modeling objects, features, aesthetic concepts, and space proportions using various programs (3dsMax, AutoCAD, Rhino, Archicad, Blender and Creo).</p>		
Expected learning outcome:	<p>Upon completion of this course the student will be able to:</p> <ul style="list-style-type: none"> • After the successful completion of this course students will be able to: • Classify appropriate programs for modeling, • Use computer programs to model indoor objects and spaces, • Set the necessary texture to the template object, 		
Contribution to the student's workload (which should correspond to the student's learning outcomes)			
Activity	Hours	Days/week	Total
Lectures	2	13	26
Theoretical/laboratory exercises	2	10	20
Practical work	3	3	9
Contacts with the professor/consultations	1	5	5
Other exercises	2	5	10

Test/ seminars	2	3	6
Homework	5	3	15
Student study time (in library or at home)	2	12	24
Final preparation for examination	3	3	9
Time spent on assessment (tests, quiz, final exam)	2	1	2
Projects, presentations	3	1	3
Total			129
Teaching methodology:			
Lectures, field work, presentations of case study;			
Methods of assessment:			
Examination content: Examination about the objectives of the subject, presentation of the case study-seminar, Lecture attendance and activity: 10% Presentation of Case Study: 40% Exam: 50% Total: 100%			
Literature			
Basic literature:			
1. HAMAD M.; AutoCAD 2019 3D Modeling, 2. MACKENZIE S,GILBERT S.; ArchiCAD for AutoCAD Users,			

Described Learning Plan:	
Weeks	Lecture to be taught
Week 1:	Introduction to CAD Specialization
Week 2:	Concepts of Design and Product Modeling
Week 3:	Software used for design
Week 4:	Design of interior products with application software
Week 5:	Design of interior products with application software
Week 6:	Parametric Design - Basic
Week 7:	Parametric Design of Products
Week 8:	I Intermediate tests
Week 9:	Design of residential spaces
Week 10:	Arrangement of the objects designed and placed it in the appropriate positions
Week 11:	Design of collective spaces
Week 12:	Design of exterior products
Week 13:	I Intermediate tests
Week 14:	Presentation of Case Study;

Week 15:	Presentation of Case Study;
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Academic policies and rules of conduct:
Regular attendance, tranquility and active engagement in dialogue during lectures and exercises are obligatory. As a matter of courtesy, mobile phones should be switched off during classes and exams.