Basic data of the subject	
Academic Unit:	**Faculty of Architecture, Design and Wood Technology**
Program:	**Interior Architecture and Furniture Design**
Subject title:	**CAD I**
Study level:	**Bachelor**
Subject status:	**Mandatory**
Years of study:	**I**
Number of hours per week:	**3**
Value of credits – ECTS:	**7**
Lecturer of the subject:	
Contact details:	
Subject description:	The subject introduce students to the use of AutoCAD in Interior Design (2D) and (3D). The course will be focused on: learning coordinates in plane view and space; the use of basic drawing tools in 2 and 3D; use of modify tools for drawing; the use of dimensioning tools; preparation of layers; editing solid objects; work with surfaces and mesh; visualizations; printing.
Purpose of subject:	The purpose of this subject is to provide students with general knowledge of AutoCAD software and particularly its use in interior product design.
Expected learning outcomes:	After completion of this module, students will be able to: • Use AutoCAD for general purposes; • Use this Software for specific uses in the area of Interior design including (design of: chairs, tables, armchairs, stairs ... etc.), • Prepare designed project for visualization and presentation; • Prepare the project for practical execution; • Print the designed project.

Contribution to student workload (which should correspond to the students learning outcomes)			
Activity	**Hours**	**Days/week**	**Total**
Lectures and laboratory exercises	3	15	45
Practical work	20	2	40
Contacts to the Lecturer / Consultations	2	1	2
Field exercises	0	0	0
Tests, student seminars	0	0	0
Home work	4	5	20
Time of self-study (in the library or home)	4	10	40
Final preparation for the exam	7	3	21
Time spent in assessment (tests, quiz, final exam)	1	3	3
Projects, presentations, etc.	4	1	4
Total			**175**

Teaching methodology:	*Lectures and exercises combined with case studies and classroom discussions*
Assessment methods:	*Final exam:* *Final exam 60%, projects 40%*
Means of concretization	*Table, internet connection, wireless, computers, projector, software related to field.*
Literature	
Basic literature:	*[1] Rrahim Sejdiu, Aplikimi i Autocad 2020 në projektimin e mobilieve; Ura 2020, Ferizaj* *[2] Avdiu Sedulla. Vizatimi me kompjuter (AutoCAD 2015)* *[3] Dean Muccio (AutoCAD 2017 for the Interior Designer)*
Additional literature:	*1. Lutolli Z. Konjufca E, Autocad 2002;* *2. AutoCAD 2020 Beginning and Intermediate, Munir Hamad* *3. AutoCAD 2020 3D Modeling, Munir Hamad*
The ratio of theory to practice	*40% theory* *60% practice*

Designed plan of teaching:	
Weeks	**Lecture to be held**
Week 1:	**Introduction to AutoCAD**
Week 2:	**Page setup; coordinates (absolute, relative and polar)**
Week 3:	**Basic tools for modification of the draw**

Week 4:	**Basic drawing tools and precision work**
Week 5:	**Basic drawing modification tools**
Week 6:	**Basic tools for modification of the draw**
Week 7:	**Dimensioning the object and using layers**
Week 8:	**Creating Layers; Creating and inserting blocks**
Week 9:	**The basics of 3D modeling**
Week 10:	**Modeling complex figures as solid and surface**
Week 11:	**Solid Editing & Editing Solutions 3 Dimensional**
Week 12:	**Creating Surfaces**
Week 13:	**Creating nets (Mesh)**
Week 14:	**Visualization & Printing**
Week 15:	**Presentation of projects**

Academic Policies and Rules of Conduct:
Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.