The basic data of the subject:	
Academic unit:	Faculty of Management
Subject title:	CAD
Study level:	Bachelor
Subject status:	Compulsory
Year of study:	II
Number of hours per week:	4
Value of credits – ECTS:	5
Lecturer of the subject:	Msc. Flamur SALIHU
Contact details:	flamur.salihu@ushaf.net
Subject description:	This course will introduce students about 2D and 3D drawings. Through lectures, exercises and drawings, students will be introduced to computer-aided design with software AutoCAD. This course will include topics such as: introduction to AutoCAD features, point coordinate entry methods, basic 2D object drawing, layer management, line types, commands for drawings, commands for modifying, object snap criteria, text creation, dimensioning, printing, working with regions, commands for drawing objects in 3D.
Purpose of the subject	The aim of this course is to provide students with basic knowledge of software AutoCAD and its application.
Learning outcomes:	After the completion of this module, students will be able to: • understand how to use AutoCAD software, • apply commands to AutoCAD software for drawing various figures in 2D and 3D, • develop skills for layer management, line types, commands in draw and modify bar, object snap criteria, dimensioning commands and printing, • develop successfully engineering projects using AutoCAD software.

Contribution to the student's charge (which should correspond with the results of the student's learning results)			
Activity	Hour	Day/week	In total
Lectures	2	15	30
Theoretical/laboratory exercises	2	15	30
Practical Work	5	3	15
Office Hours	1	3	3
Filed Exercises			
Seminars			
Homework	5	3	15

Self-learning time (in the library or at home)	1	10	10
Preparation for the final exam	6	5	30
The time spent in the assessment (tests, final exam), quiz	2		2
Projects, presentations, etc.			
Total			**125**

Methodology of teaching:	Lectures through presentations, as well as using software directly, exercises tasks and examples, seminars, discussions.
The evaluation methods:	Evaluation: Attendance 10% Class activities 10%, Graphic tasks 30%, Final exam 50%
Literature	
Basic Literature:	➤ *Avdiu S. Vizatimi me kompjuter (AutoCAD 2008)* ➤ *Lutolli Z. Konjufca E, Autocad 2002*
Supplementary Literature:	➤ *Avdiu S. Vizatimi me kompjuter, 2005* ➤ *Finkelstein E. AutoCAD 2013 and AutoCAD LT 2013 BIBLE.2012* ➤ *TechASCEND PROJECTS VALENTINO J 2002.* ➤ *https://www.youtube.com/user/sabeercad/featured*

The lesson plan Design:	
Week	**Lectures to be held**
First week:	Introduction to AutoCAD. Absolute, relative and polar coordinates [2] page 26, 27 and 33.
Second week:	Exercises [3] pages 5-14
Third week:	Commands for defining the drawing area. Measuring system [1] page 23 Exercises [3] pages 5-14
Fourth week:	Draw Commands (Commands: Point, Line, Polyline, XLine, Spline) [1] page 27-65
Fifth week:	Draw Commands (Commands: Circle, Arc, Ellipse, Polygon) [1] page 27-65
Sixth week:	Modify Commands (Commands: Erase, Copy, Array, Mirror) [1] page 67-94
Seventh week:	Modify commands (Commands: Offset, Rotate, Trim, Extend, Break, Chamfer, Fillet, Devide) [1] page 67-94

Eighth week:	Quoting commands (dimensioning of the object) (commands: Dimlinear, Dimaligned, Dimradius, Dimdiameter, Dimangular) [1] page 109-143
Ninth week:	Precise Drawing Point Determination (Object snap modes) (Criteria: Endpoint, Midpoint, Center, Quadrant, Intersection, Extension, Tangent) [1] page 149-162
Tenth week:	Command for creating and editing texts. Tables. Commands for Hatching (Hatch) [1]
Eleventh week:	3D drawing basics. Constructive planes [1] page 180-189
Twelfth week:	3D commands (commands: Box, Cylinder, Sphere, Cone, Union, Subtract, Intersect) ([1]
Thirteenth Week:	3D commands (commands: Extrude, Revolve, Loft, Sweep, Solid edit) [1]
Fourteenth Week:	Dimensioning Plotting
Fifteenth week:	Repetition and completion of the course.
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.	