

Basic data of the subject			
Academic unit:	Faculty of Management		
Subject title:	Engineering Graphics		
Study level:	Bachelor		
Subject status:	Compulsory		
Year of study:	I		
Number of hours per week:	4		
Value of credits - ECTS:	6		
Lecturer of the subject:	Msc. Flamur SALIHU		
Contact details:	flamur.salihu@ushaf.net		
Subject description:			
	Knowledge of technical standards. Technical drawing. Formats, proportions, tables. Construction of geometric objects. Technical Writing. Dimensioning and Quoting. Technical drawing rules. Cuts. Sketching. Presentation of technical drawings. Descriptive geometry. Projection of geometric elements. Cutting the objects.		
Subject purpose:			
	The aim of this course is to provide students with basic knowledge of engineering graphics.		
Learning outcomes:			
	After the completion of this module, students will be able to: <ul style="list-style-type: none"> • know the technical letters, sorts of lines, types of paper, formats, tables, • understand the drawing and sketching of various geometric constructions, • apply dimensional rules, layout of points, lines, and objects in space, • successfully develop engineering projects using technical drawing knowledge. 		
Contribution to the student's learning (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			
Office Hours	1	7	7
Filed Exercises			
Seminars	3	2	6
Homework	3	7	21
Self-learning time (in the library or at home)	3	10	30
Preparation for the final exam	4	5	20
The time spent in the assessment (tests, final exam), quiz	2	3	6
Projects, presentations, etc.			

Total			150
The lesson plan			
Week	Lectures to be held:		
Teaching methodology:	Lectures through presentations, exercises tasks and examples, seminars, discussions.		
Assessment methods:	Evaluation: Attendance 10% Class activities 10%, Graphic tasks 30%, Final exam 50%		
Literature			
Basic literature:	<ul style="list-style-type: none"> ➤ <i>Bajraktari M. dhe Doçi I. Grafika Inxhinierike, Prishtinë, 2012.</i> ➤ <i>K.C. John, Engineering Graphics for Diploma, PHI Learning Private Limited, 2009.</i> 		
Additional literature:	<ul style="list-style-type: none"> ➤ <i>Hoischen H. Technisches Zeichnen, Grundlagen, Normen, Beispiele Darstellende Geometrie, Comelsen, 2002.</i> ➤ <i>Bajraktari M. dhe Doçi I. Prezetime nga Grafika Inxhinierike, Prishtinë, 2011.</i> 		

The lesson plan Design:	
Week	Lectures to be held
<i>First week:</i>	Introduction to Engineering Graphics. Information of the course. Seminar tasks.
<i>Second week:</i>	Types of drawings. Standards. Standard numbers.
<i>Third week:</i>	Types of lines. Drawing formats. The proportion on technical drawing.
<i>Fourth week:</i>	Drawing of geometric constructions. Constructing lines and angles. Construction of arcs and tangents. Curve construction: ellipse, parabola, hyperbola, cycloid, spiral, helix.
<i>Fifth week:</i>	Technical letters. Types of writing. Symbols.
<i>Sixth week:</i>	Dimensioning. Dimensioning and quotation rules.
<i>Seventh week:</i>	Materials in technical drawing. Quality of surfaces and signs of quality.
<i>Eighth week:</i>	Intermediate I test
<i>Ninth week:</i>	Projections. Types of projections. Isometric Projection and Perspectives.
<i>Tenth week:</i>	Cutting. Object cutting in different planes.
<i>Eleventh week:</i>	Drawing presentation. Sketching. Presentation of drawing. Presentation of details in three orthogonal projections.
<i>Twelfth week:</i>	Presentation of objects in technical drawing with all elements. Different examples.

<i>Thirteenth week:</i>	Point projections. Line projections. Design of curves.
<i>Fourteenth week:</i>	Projections of objections. Cutting of objections.
<i>Fifteenth week:</i>	Intermediate II test.
Academic policies and rules of conduct:	
<i>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.</i>	