Syllabus

Basic data of the subject			
Faculty:	Engineering	and Informatics	
Program:	Industrial E	ngineering with I	nformatics
Subject title:	Engineering	Materials I	
Level:	Bachelor		
Case Status:	Obligatory		
Year of studies:	Ι		
Number of hours per week:	3		
Credit value – ECTS:	5		
Time / location:			
Subject teacher:			
Contact details:			
	<u> </u>		
Description of the subject	This course processing, processes a processing.	will introduce processing mac s well as econ	students to metal chines, processing comic methods of
Objectives of the course:	The purpose with engineed instruments of processing su	of the course is t ring materials. Pr and tools, auxiliar ach as measuring o	to prepare students ocessing machines, y equipment during ones, etc.
Expected learning outcomes:	After succes. student will b I kn mater metal proce which etc. design proce the so part. detern worka I kno basic. apply proce proce proce proce proce	sful completion of be able to: ow to know a sials of materials, s with chip remove ssing regime, the the chip removal the chip removal on the technologic ssing of a machine emi-finished prod nine the quality ed with chip remov ow the processing s of metal cutting. the most econo ssing between a ssing during the ssing of machine a must correspon	of this course, the about engineering the processing of al, the setting of the e machine tools in processing is done, al process for the e part, starting from uct to the finished of the surfaces pal. g operations, the omical method of cutting and other preparation for the details. d to the student's
learning outcomes)			
ACTiViTY	hour	Day/week	in total
Teaching (lectures and exercises)	3	15	45
Practical work			

Contacts with the	3	5	15
teacher/consultations			
Field exercises	-	-	-
Colloquiums, seminars	2	5	10
Homework			
Student's independent study time	3	15	45
(in the library or at home)			
Final exam preparation	2	4	8
Time spent on assessment (tests,	1	1	1
quizzes, final exam)			
Projects, presentations, etc	1	1	1
TOTAL			125
	and/or weekl exercises wil group work discussed. important, so attend lecture discussions th exercises, wo group.	y individual and g l be held in the for in which concrete Active participat o students are enco es and exercises an hat take place in the ork individual, dis	roup exercises. The m of individual and e examples will be ion is extremely ouraged to regularly nd contribute to the e lectures. Lectures, cussions, and work
Prerequisites	The student s Engineering good knowle today.	should have a gene Materials I , as we dge of the Materia	ral idea about ll as at least have a ls used in Industry
Evaluation methods:	The student of	can be evaluated in	ı one of two ways
	of the assessi	ment given below:	
	1. Form 1: E	Evaluation with co	lloquiums and
	project		
	2. Form 2: E	Evaluation with the	e final exam.
	Form 1: In the first f colloquiums assessed in during the let 1. Colloquium 2. Colloquium 3. Class activ 4. Project (20	Form of assessmen and seminar wor four activities the ctures: m 1 (35%), individ m 2 (35%), individ vity (10%), individ 0%), individual or	t "Assessment with rk", the student is at are carried out ual assessment ual evaluation ual assessment group assessment.
	Additional cl If the student maximum po 100 points. Students who of the assess to take the fir	arification: in each activity al ints, then he will b pass the exam acc ment are released j nal exam.	bove reaches the e evaluated with cording to form 1 from the obligation

Only if the student is not satisfied with the grade
achieved under form 1, then he can take the final
exam to get higher grade.
Form 2:
In the second form of evaluation, "Evaluation with
the final exam", the student will undergo the exam,
which is held after the end of the course lectures.
and is organized in the exam deadlines. determined
by the University Senate.
Through the final exam the student can achieve a
maximum of 80% of the total of 100 points
The rest of the 20% points must be completed by
individual or group work in the Project an activity
carried out during the lectures
In Colloquium 1 Colloquium 2 and Final Fram
In Colloquium 1, Colloquium 2 and Final Exam, the assessment of students will be done through an
ine assessment of students will be done infough an
assessment jorm, which must be completed
The avaluation form will contain questions
Interested and anti-angle with the last mark
aistributed proportionally with the lectures
conducted during the semester, the course
material.
• The subjective questions will be of the type of written task that will be used to evaluate the student's understanding and abilities to apply the knowledge gained in the analysis, synthesis and evaluation of the problem, from the responses prepared by the student to the
question presented.
• Activity in class means the student's
engagement in dealing with issues discussed in class, during lectures.
• Project (30%), individual or group assessment:
it is an activity in which students apply the
acquired knowledge in a concrete project. It is
carried out by only one student or in a group of
2 or 3 students who are obliged to carry out the
activity, document it and present it to the
subject professor.
For the form of realism and documentation of the
activity, all members of the group will be
evaluated with the same point (10%), while the
evaluation of the presentation skills of the activity
is individual and includes 10%.
Rating:
91-100 points - graded 10 (ten)
81-90 points - graded 9 (nine)
71-80 points - grade 8 (eight)
61-70 points - graded 7 (seven)

		51-60 points - grade 6 (Six)
		0-50 points – The student repeats the exam.
LITERATURE		
Basic literature:		1. Zijadin Krasniqi; Cutting processing I,
		University of Kosovo, Pristina, 1985
Additional literature:		1. Prof. Dr. Adnan Bodinaku, Mechanical
		technology 2 (first part),
		2. Mechanical Engineers ' Handbook by Myer
		<i>Kutz</i> , 2015-02-20,
		3. Prof. Dr. Adnan Bodinaku, Mechanical
		technology 2 (second part),
		4. Mechanical Design Engineering Handbook
		<i>by Peter RN Childs</i> , 2018-11-24,
		5. K. Krammer ; Schneldkramik , Diamant
		und Bornitride zur
		Gusswerkstoffbearbitung, Ind. Anzeinger,
		1977, 99, No. 46.
		6. Tanush Hajnaj ; Plastic processing of
		metals, University of Tirana, Faculty of
		Engineering, Tirana, 1978,
Designed lesson plan:		
WEEK	The lectu	ire that will take place
WEEK First week:	The lecture Introduct	ire that will take place ion. Materials technology.
WEEK First week: Second week:	The lectureIntroductMaterials	ire that will take place ion. Materials technology. and their division.
WEEK First week: Second week: Third week :	The lectureIntroductMaterialsSeparation	ire that will take place ion. Materials technology. and their division. on of technical materials, metal, ceramic, and
WEEK First week: Second week: Third week :	The lectureIntroductMaterialsSeparationpolymer r	ire that will take place ion. Materials technology. and their division. on of technical materials, metal, ceramic, and materials (or synthetic materials.
WEEK First week: Second week: Third week : Fourth week:	The lectureIntroductMaterialsSeparationpolymer nUse of	ine that will take place ion. Materials technology. and their division. on of technical materials, metal, ceramic, and materials (or synthetic materials. materials, Use of materials ferrous and their
WEEK First week: Second week: Third week : Fourth week:	The lectureIntroductMaterialsSeparationpolymer noUse ofconnection	The that will take place <i>ion. Materials technology.</i> <i>and their division.</i> <i>on of technical materials, metal, ceramic, and</i> <i>naterials (or synthetic materials.</i> <i>materials, Use of materials ferrous and their</i> <i>ms.</i>
WEEKFirst week:Second week:Third week :Fourth week:Fifth week:	The lectureIntroductMaterialsSeparationpolymer rUse ofconnectionThe use of	ion. Materials technology. ion. Materials technology. is and their division. in of technical materials, metal, ceramic, and materials (or synthetic materials. materials, Use of materials ferrous and their ins. f non-ferrous metals and their alloys.
WEEKFirst week:Second week:Third week :Fourth week:Fifth week:Sixth week :	The lectureIntroductMaterialsSeparationpolymer rUse ofconnectionThe use ofMaterials	ire that will take place ion. Materials technology. and their division. on of technical materials, metal, ceramic, and materials (or synthetic materials. materials, Use of materials ferrous and their ons. f non-ferrous metals and their alloys. anon-metallic, Materials polymers - masses plastic.
WEEKFirst week:Second week:Third week :Fourth week:Fifth week:Sixth week :Seventh week:	The lectureIntroductMaterialsSeparationpolymer rUse ofconnectionThe use ofMaterialsThe first r	The that will take place ion. Materials technology. and their division. on of technical materials, metal, ceramic, and materials (or synthetic materials. materials, Use of materials ferrous and their ms. f non-ferrous metals and their alloys. a non-metallic, Materials polymers - masses plastic. test
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WEEKFirst week:Second week:Third week :Fourth week:Fifth week:Sixth week :Seventh week:Eighth week:Week nine:	The lectureIntroductMaterialsSeparationpolymer noUse ofconnectionThe use ofMaterialsThe first noMaterialsThe impair	ire that will take place ion. Materials technology. and their division. on of technical materials, metal, ceramic, and naterials (or synthetic materials. materials, Use of materials ferrous and their ons. f non-ferrous metals and their alloys. f non-metallic, Materials polymers - masses plastic. test f composite . f to f the development of engineering materials on
WEEKFirst week:Second week:Third week :Fourth week:Fifth week:Sixth week :Seventh week:Eighth week:Week nine:	The lectureIntroductMaterialsSeparationpolymer rUse ofconnectionThe use ofMaterialsThe first rMaterialsThe impanvarious control	Ire that will take place ion. Materials technology. iand their division. in of technical materials, metal, ceramic, and inaterials (or synthetic materials. materials, Use of materials ferrous and their ins. f non-ferrous metals and their alloys. in non-metallic, Materials polymers - masses plastic. test is composite . is control the development of engineering materials on onstructions.
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WEEKFirst week:Second week:Third week :Fourth week :Fourth week:Sixth week :Seventh week:Eighth week:Week nine:Tenth week :Eleventh week :Twelfth week :	The lectureIntroductMaterialsSeparationpolymer rUse ofconnectionThe use ofMaterialsThe first rMaterialsThe impartvarious conPropertienClassificatNumericatExpression	ure that will take place ion. Materials technology. iand their division. on of technical materials, metal, ceramic, and naterials (or synthetic materials. materials, Use of materials ferrous and their ms. f non-ferrous metals and their alloys. a non-metallic, Materials polymers - masses plastic. test c composite . ect of the development of engineering materials on onstructions. s of materials. work in the laboratory at USHAF ally controlled machines - CNC and its functions. ons used during the tensile test and other tests.
WEEKFirst week:Second week:Third week :Fourth week :Fourth week:Sixth week :Seventh week:Eighth week:Week nine:Tenth week :Eleventh week :Twelfth week :Thirteenth week :	The lectureIntroductMaterialsSeparationpolymer rUse ofconnectionThe use ofMaterialsThe first rMaterialsThe impartvarious conPropertienClassificationPracticalNumericationCalculati	ure that will take place ion. Materials technology. iand their division. in of technical materials, metal, ceramic, and naterials (or synthetic materials. materials, Use of materials ferrous and their ms. f non-ferrous metals and their alloys. c non-metallic, Materials polymers - masses plastic. test c composite . cct of the development of engineering materials on onstructions. rs of materials. tion of metal tests. work in the laboratory at USHAF ally controlled machines - CNC and its functions. on of stresses.
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Academic policies and rules of conduct:

The teacher sets the criteria for regular attendance in lectures and exercises and rules of etiquette such as: keeping calm in class, disconnecting mobile phones, entering the hall on time, etc.