

The basic data of the subject			
Academic unit:	Faculty of Management		
Subject title:	Metalworking and metal cutting machines		
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:	Mr.sc.Binaze Jashari		
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Discription of the subject:			
	This subject describes the content and objectives of designing technological processes during metalworking as well as machines for metal cutting for different project implementation.		
Pruppose of the subject:			
	The pruppose of this subject is to acquaintance students with contemporary methods of drafting and executing in practice the projects of technological processes with the help of computers. The aim is for students to learn about the technology of processing: cutting; deformation; the tools that carry out these processes; Machines in which processing is carried out; machine parts-basic movements, CNC machines; programming.		
Expected learning outcome:			
	After completion of this course the students will be able to: <ul style="list-style-type: none"> • Know about the technology of processing the elements of tecnologic project. • Describes the technological process for producing details of metals and plastic masses. • Developing the technological process of the elaboration process of a detail (working part) • The operation of machine tools in general and CNC machines in particular etc. 		
Contribution to the student's workload (which should correspond to the student's learning outcomes)			
Activity	Hours	Days/week	Total

Lectures	2	15	30
Theoretical/laboratory exercises	1	15	15
Practical work	1	15	15
Contacts with the professor/consultations	1	8	8
Other exercises	-	-	-
Test/ seminars	2	2	4
Homework	1	15	15
Student study time (in library or at home)	1	10	10
Final preparation for examination	1	15	15
Time spent on assessment (tests, quiz, final exam)	1	10	10
Projects, presentations	1	2	2
Total			125 hours
Teaching methodology:			
	Lectures and exercises combined with case studies and classroom discussions		
Methods of assessment:			
	Activity and seminar work: 20 pike Exam I: 40 Pike Exam II: 40 Pike Total: 100 points Evaluation of the final exam, estimated at 80% of success, with a further building of the grade final with the other high criteria highlighted.		
Literature			
Basic literature:			
	<ul style="list-style-type: none"> ➤ Prof. Dr. Adnan Bodinaku , <i>Teknologjia mekanike 2 (The first part)</i> ➤ 2.Prof.Dr. Hysni Osmani, <i>Teknologjia prodhuese, Materialet Mekanike I dhe II</i> 		
Additional literature:			
	<ul style="list-style-type: none"> ➤ <i>Punimi me heqje ashkle , the publishing house of the university book Tiranë, 2004.</i> ➤ Prof. Dr. Adnan Bodinaku , <i>Teknologjia mekanike 2 (second part),</i> ➤ Milenko M. Jovičić, B. S. Kršljak; <i>Osnove konstrukcija alata i pribora, Beograd,1984. Berlin 1970.</i> ➤ N. N. Lejkin; <i>Konstruivovanje pressform dlja izdelij iz plastičeskij mass, Mašyiz, Moskva1961.</i> ➤ M. Nadj ; <i>Termoplastične mase- prerada</i> 		

	<i>postupkom inekcionog prešanja, Zagreb 1976.</i>
Described Learning Plan:	
Weeks	Lecture to be taught
<i>First week:</i>	Introduction. Technology of production processes. Basics of processing theory.
<i>Second week:</i>	Processes of processing, types and their separation.
<i>Third week:</i>	Cutting processing
<i>Fourth week:</i>	Processing with deformation.
<i>Fifth week:</i>	Visit (practical work); Practical announcement with the processing technology technology in the VEGELTORJA tool factory in Ferizaj
<i>Sixth week:</i>	Knowledge Assessment - The First Exam
<i>Seventh week:</i>	Process technology for thermal processing of details
<i>Eighth week:</i>	Tracking of processing processes in practice. Basic Literature. Practical work at the VEGELTORJA tool factory in Ferizaj
<i>Ninth week:</i>	Processing machines. The basic movements of machine tools
<i>Tenth week:</i>	Project assignment: Designing the technological process for the production of a detail
<i>Eleventh week:</i>	Follow-up of project design implementation according to the operational technology card.
<i>Twelfth week:</i>	Practical work at the ELSAM factory in Ferizaj
<i>Thirteenth Week:</i>	Numerical CNC machines and its functions.
<i>Fourteenth Week:</i>	Presentation by students
<i>Fifteenth week:</i>	Knowledge Assessment - The Second Exam
Academic Policies and Rules of Conduct:	
<i>Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.</i>	