SYL	LABL	JS
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Basic data of the subject					
Faculty:	Faculty of En	gineering	g and Informatic	S	
Title of the subject:	Technological Process Design				
Level:	Bachelor				
Course Status:	Core				
Year of studies:	3				
Number of hours per week:	3				
Value of Credits - ECTS:	4				
Time / location:					
Course lecturer:	Fatmier Cerkini				
Contact details:	Fatmir.cerki	ni@ushaf	.net		
Course Description	This course will introduce students to the basics of				
-	technological processes and their design in different				
	industries and	for differe	ent products.		
Objectives of the course:	The objective of this course is to provide students with				
	knowledge ab	out techno	ological processes,	, their types and	
	in particular ti	he design (	of technological pi	rocesses using	
Functional locarity	various computer programs.				
expected learning	opon successful completion of this subject, students will be able to:				
outcomes:	• know the basic design basics of technological				
	proces	sses		ennerogical	
	<ul> <li>know</li> </ul>	about the	impact of technol	logical processes	
	on product design and vice versa				
	• elimin	ate manuj	facturing errors by	v using the basics	
	of tec	hnological	processes		
	know the basics of designing technological				
	proces	sses with c	computer support		
Contribution to the student load (which must correspond with learning outcomes)					
Activity		Hour	Day/Week	In total	
Lectures with lab tutorials		3	15	45	
Internship					
Contacts with teacher / consultations		1	5	5	
Field exercises					
Midterm, seminars and projects.		2	8	16	
Homework					
Self-learning time student (at the library or at		2	15	30	
home)					
Final preparation for the exam		1	5	5	
Time spent on evaluation (tests, quiz and final		1	2	2	
exam)					
Projects and presentations.		1	1	1	
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Teaching methodology:	Lectures and exercises combined with tutorials and			
	classroom and laboratory exercises			
Assessment methods:	Course work 40%			
	Final exam 60%			
Literature				
Basic Literature:	1. Fatmir Çerkini, Projektimi i proceseve			
	teknologjike (Handout), Fakulteti i Shkencave			
	të Aplikuara – Ferizaj			
Additional Literature:	1. Prof.Dr.Ing.A.Bushati - Algoritme punimi në			
	"Teknologji mekanike",Tiranë,			
	2. Adnan Bodinaku –Teknologjia mekanike 2,I			
	dhe II, Tiranë,			
	3. Halevi, G. ; Principles of Process Planning,			
	Chapman & Hall, London,			
	2. 4. Gačnik, V., Vodonik, F. : Projektiranje			
	tehnoloških procesa, tehnička knjiga, Zagreb			
Designed learning plan				
Week:	Lectures and exercises to be held			
Week one:	Content and objectives of technological process design			
	(TPD).			
Week two:	Determining the type and order of operations.			
Week three:	Generation of technological process variants.			
Week four:	Production dimensioning and tolerances, Positioning and			
	tightening, processing errors.			
Week five:	Production time: Time structure, production time			
	determination methods.			
Week six:	Production cost calculation models.			
Week seven:	TPD report and production design.			
Week eight:	Computer-aided design (CAPP) process design.			
Week nine:	TPD requirements with different functions in the company.			
Week ten:	Production monitoring and control, productivity			
	management.			
Week eleven:	Sales and supply, design and construction, management.			
	etc.			
Week twelve:	Report of production / business strategies and TPD			
Week thirteen:	The impact of technological processes on the overall			
-	rformance of the business.			
Week fourteen:	Submission of the course work			
Week fifteen:	Summarv			

## Academic policies and rules of conduct

Regular attendance of lectures and exercises is necessary, as well as active participation with discussion and solution of tasks. Not impeding the progress required for learning using mobile phones turned off or in silent mode.