The basic course information:				
Academic unit:	Faculty of Eng	gineering and Info	ormatics	
	Industrial Eng	gineering with Info	ormatics	
Title of the subject:	Machine Elen	nents I		
Level:	Bachelor			
Course Status:	Obligatory			
Year of studies:	1			
Number of hours per week:	4			
Value of Credits - ECTS:	5			
Time / location:				
Course lecturer:	Flamur Salihu			
Contact details:	Flamur.salihu@ushaf.net			
Course description:	This course will provide students with the basic knowledge and concepts of calculating tolerances, loads, stresses and the safety factors of various mechanical elements using different methods of solving practical problems in engineering.			
Objectives of the course:	The aim of the course is to prepare students with the basic and advanced principles of using and constructing various machine parts based on the analytical calculations and constructive choices.			
Learning outcomes:	After the completion of this module, students will be able to: • know the concept of machine elements tolerances, the operating loads as well as the safety factors of various machine elements • understand the calculations of tolerances, stresses, loads and safety factors of various machine elements (threads, bolts, belts, transmitters, etc.). • choose the right methods for calculating machine elements, • apply appropriate theoretical methods in solving practical problems.			
Contribution to the student load	(which must c	orrespond with le	arning outcomes)	
Activity	Hour	Day/week	In total	
Lectures with numerical exercises	4	15	60	
Internship				
Contacts with teacher / consultations	1	3	3	
Field exercises				
Midterm, seminars and projects.		15	15	
Homework				
Self-learning time student (at the library or at home)	3	15	45	
Final preparation for the exam		5	5	

Time spent on evaluation (tests, quiz and final exam)		3	3	
Projects and presentations.				
Total			131	
Teaching methodology:	Lectures combined with exercises			
Assessment methods:	First assessment 30%			
	Second assessment 30%			
	Third assessment 30%			
	Seminar papers (design assignments) 10%			
	Or through final exam			
	Final exam 90 %			
	Seminar papei	rs (design assignmen	ts) 10%	
Literature				
Basic Literature:	_	zi IBRAHIMI, DETALE	T E MAKINAVE I,	
	Prishtinë 2			
	2. Dr sc Nijaz Prishtinë 2	zi IBRAHIMI DETALET 2006.	E MAKINAVE II/1,	
	3. Dr sc Sadu	ıllah AVDIU, PRAKTIK	(UMI I DHE II,	
	Prishtinë 2	•	,	
	4. Dr sc Nijaz	zi IBRAHIMI, DETALE	T E MAKINAVE I dhe	
	II, Përmble	edhje e detyrave te z	gjidhura, Prishtinë,	
	2007.	-		
Supplementary Literature:	5. Nieman: N	Naschinenelemente,	Band I & II.	
	6. Jashari I.,	Pllana G.: Detalet e i	makinave.	

Designed learning p	lan:
Week	Lectures and exercises to be held
Week one:	The main dimensions of machine elements. Tolerances.
	Position of tolerances fields. Types of fits.
Week two:	Carrying capacity of machine elements and machine
	elements loaded with static loads.
Week three:	Numerical exercises (tolerances).
Week four:	Mechanical elements Joints (power screw). Loads, stresses
	and safety factor of power screw.
	First (I) assessment (Held after the fourth week)
Week five:	Numerical Exercises (power screw).
Java e six:	Bolted connections.
Week seven:	Load, stresses and safety factors of bolts.
Week eight:	Numerical exercises (Bolted connections).

Week nine:	Rivets joints and welded joints
Week ten:	Springs. Pipes.
	Second (II) assessment (Held after the tenth week)
Week eleven:	Transmitters. Friction transmitters.
Week twelve:	Belt transmitters. (Belt calculation)
Week thirteen:	Chain transmitters. (Chain Calculation)
Week fourteen:	Numerical exercises (belts and chains).
Week fifteen:	III (third) assessment.

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.