## **Course title: Mechanics**

Module basic data			
Academic unit:	Civil Engineering Faculty		
Module title:	Mechanics		
Level:	Bachelor		
Module status:	C compulsory		
Study year:	First(I), semes	ter II	
Weekly hours:	2+2		
Credit value – ECTS:	6		
Time / venue:	9 <sup>15</sup> -10 <sup>00</sup> ; room S 507		
Module professor:	Prof.ass.dr. Hajdar Sadiku		
Contact details:	Email: hajdar.sadiku@uni-pr.edu		
	Tel: +377 44 1	.27773	
Module description	Module: Mechanics I includes: General knowledges of		
	solid body sta	atics, Space and su	rtace forces system,
	Body and bod	y system , Lattice gi	rders and methods of
	solution of Sn	ace linear beams	r, Gravity Center and
Module outcome:	Module targe	ts: To introduce to	students Mechanics
module outcome.	problems wh	nich shall be bas	sics for profesional
	modules, duri	ng study in Civil En	gineering Faculty.
Learning achieved results:	To obtain knowledge on basic problems of		
	Mathematics,	Introduction on N	Mechanics problems,
	Force and lo	padnes understand	ling, Body equiliber
	conditions, of body systems and Lattice girders both in		
	surface and space. Calculation of gravity center of		
Loarning activities loadness ( sh	boules general	with student loa	ring outcomos
Activity		Days/week	Totally
	2	15	30
Practical work	0	0	0
Contact with	1	15	15
lecturer/consultation	-	10	10
Field exercise	0	0	0
Colloquiums workshops	2	1	2
Home works	6	1	6
Student individual work time	3	15	45
Final exam preparation	2	2	50
Time on evaluation process (tests	2	1	2
quiz final exam )	-	-	-
Projects presentation etc	0	0	0
	-	-	450

Teaching methodology:		Lessons, Exercise and Individual works		
Evaluation methodology:		In evaluation, should be estimated weight of each partial evaluation and its impact on on final evaluation. One of the methods is as follows: First estimation: 25% Home works and other activities 10% Reilable presence 10% Final exam 55 % Total 100%		
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Basic literature:		[1] Prof. Ass. Dr. Hajdar Sadiku Mechanics I (Lessons by PowerPoint), FN Prishtinë		
Complementary literature:		[2] Prof. Dr. Fetah Jagxhiu, Mechanics I (lessons),		
		FN Prishtinë [2] Prof. Dr. Eetab Jagyhiu, Machanice J		
		(Exercises). FN Prishtinë		
Learning proces plan:				
Week order	Lecture to be developed			
First week:	Introduction of module syllabus			
Second week:	Mechanics basics principles -axioms			
Third week:	Concurent (several) forces system			
Fourth week:	General systems of forces and par of forces			
Fifth week:	Plain forces system			
Sixth week:	Statical beams			
Seventh week:	Body systems			
Eighth week:	Graphical statics basics			
Ninth week:	Lattice girders			
Tenth week:	Beam section forces			
Eleventh week:	System of space concurrente forces			
Twelfth week:	Space system forces equiliber			
Thirteenth week:	Solid bodies gravity center			
Fourteenth week:	Gravity center of plain figures			
Fifteenth week:	Space linear beams			

## Academic polices and bon sense rules:

Lecturer defines criteria for viability in lessons and bon sense rules, order of staying, mobile switching off , time ect. )