

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Machines for cyclic transport			
2.	Code	190			
3.	Study group(s)	TML			
4.	The organizer of the study program (unit, institute, department)	Faculty of Mechanical Engineering - Skopje, Ss. Cyril and Methodius University in Skopje			
5.	Level (first, second, third)	First			
6.	Academic year / semester	Summer	7.	Number of ECTS credits	6
8.	Instructor	Prof.Slave Jakimovski PhD			
9.	Prerequisites	Passed of Machine elements			
10.	Course objectives (competences): Studying internal cyclic transportation means, their mechanisms and components, elements for their design, selection and maintenance.				
11.	Course content: Types of transport devices for cyclic transport. Component mechanisms of cranes. Elements and parts of the hoist mechanism and crane moving mechanism.Crane safety devices. Management, maintenance and testing of cranes. Elevators, components and its division. Basic parameters of the elevators. Kinematic schemes for elevators driving gear and elements of elevators plant.				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning				
13.	Total hours				
14.	Hours allocation per activity:		180 hours		
15.	Lectures/Lab	15.1.	Teaching lectures	30 hours	
		15.2.	Practice, seminars, team work	30 hours	
16.	Project Work/Assignments	16.1.	Project assignments		
		16.2.	Selfrunning assignments	30 hours	
		16.3.	Home studying	90 hours	
17.	Points/Marks:				
	17.1.	Tests			80 points
	17.2.	Projects			10 points
	17.3.	Attendance			10 points
18.	Grading scale	Under 50		5 (five) (F)	
		51 - 60 points		6 (six) (E)	
		61 - 70 points		7 (seven) (D)	
		71 - 80 points		8 (eight) (C)	
		81 - 90 points		9 (nine) (B)	
		91 - 100 points		10 (ten) (A)	
19.	Prerequisites for taking the final exam	Realized activities 15.1, 15.2, 16.2			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Mechanisms for intern evaluation and surveys			

22.	Textbooks				
	22.1.	Instruction materials			
		No.	Author	Title	Publisher
	1.	Славе Јакимовски	Машини за цикличен транспорт	Интерна скрипта	2010
22.2.	Supplemental Instruction Materials				

		No.	Author	Title	Publisher	Year
		1.	S. Tosic	Liftovi	MFBeograd	2004
		2.	R.Mijalovik I drugi	Transportne masine- praktikum	MF Nis	1988