ALC Y HETCHING			UNEVERSITY OF EAST SARAJEVO								
		Faculty of Mechanical Engineering									
			Study program: Mechanical Engineering								
		LEVEL OF STUDIES 3 ST YEAR									
Course title		MATERIAL HANDLING EQUIPMENT									
Department											
Code			Course status		Semest	Semester		ECIS			
MAΦ-1-1-MC-06-2-056-5-5-3-2-0		5-3-2-0	Mandatory		VI	VI		6			
Teaching assistant		Spasoje Trifković									
Number of	sf hours (nor work) Individual student workload (in hours in Coefficient of st						ient of student				
					semester)	semester)		workload S₀			
2 3	2		 0	L 3*15*S_	2*15*So	0*15*So		3 ₀ 1 4			
	-		•	0 10 00	2 10 00	0 10 00					
Total total teaching hours in semesterTotal student's workload (in hours in semester) $3*15 + 2*15 + 0*15 = 75$ hours $3*15*S_0 + 2*15*S_0 + 0*15*S_0 = 105$ hours											
			Total course w	orkload: 75 + 105	5 = 180 hours in sen	nester					
Otrada a til samalar a	The	The basic goal of this subject is to introduce students into the fundamentals of intralogistics (material									
objectives	nan prof	aing equ essional	work such as a	re analysis of dut	v cycle of material h	andling equ	ipment selec	tion sizing and			
	calc	ulation of	f material handl	ing equipment as	elements of materi	al handling a	and conveying	y machines.			
Conditionality	No	conditioni	ing								
Teaching	Lec	Lectures, exercises, graphic exercises, colloquiums									
methous	1. Ir	ntroductio	on into intralogis	tics and material	handling equipmen	t. significand	e of this field	historical			
	dev	Jevelopment, classification;									
	2. B	2. Basic characteristics and application of non-continuous transport devices (cranes);									
	3. 4. -	 J. Lypes or driving mechanisms (selection, sizing, calculation); 4. Handling devices, operating principles, calculation and construction; 									
	5. C	5. Carrying flexible elements, ways of tying, calculation and selection of ropes and chains;									
0	6. T	Types, calculation and constructive characteristics of pulleys, pulley blocks and drums;									
Content of the	 7. Devices for stopping the drive and calculation of the brakes; 8. Mechanisms for lifting and moving loads, theoretical basis of calculations, clipping and resistance; 							esistance.			
	9. Reach change mechanisms, model display and calculation basics. Stability against overturn						rturning.;				
	10.	10. Belt conveyors. Constructions, calculation and selection of basic elements;									
	11.	11. Hate conveyors. Hate snapes, traction elements, drive and tensioning device;									
	 12. Rake and overhead conveyors, 13. Types, construction and calculation of floor conveyors elements; 14. Construction and calculation of conveyor system without traction element; 										
	15.	Auxiliary	devices of con-	/eyor systems;	raturo						
Authors			Name	of the publicatio	n, publisher	Yea	r	Pages			
Sava Dedijer	Sava Dedijer		Transportni uređaji, Građeveviska knjiga, Beograd		1987		-				
Milomir Gašić		T	ransportni urec	aji-neprekidni tra evinarstvo, Kralie	nsport, Fakultet za	2010).	-			
Milomir Gašić Mile Savković		vić N	Neprekidni transport-rešeni zadaci, Mašinski fakultet,			2008	8				
Kra			Kraljevo Additional literature			<u> </u>					
Authors			Name of the publication, publisher		Yea	r Pages					
Lawrence K. Shapiro, P.E.		C	Cranes and Der	icks, ISBN: 978-()-07-162558-6	2011					
Patrick M. McGuire, P.E.		C	Conveyors, App	ication, Selection	, and Integration,	Integration, 2009		-			
		Type of student evaluation					Points	Percentage			
Obligations,								y			
forms of	attendance at lectures / exercises 5+5 10%										
knowledge check	Colloquium I and II						20+20	40%			
and assessment	Graphic works						20	20 %			

	Total	100	100 %					
Web page	http://www.maf.ues.rs.ba/PDF_za_sajt/MKRP2017/Transportna%20sredstva.pdf (in Serbian language)							
Date of certification								