		STUDY MODULE D	ESCF	RIPTION FORM			
Name of the module/subject Exploitation of Transportation and Handling Me				-		de 10611351010610628	
Field of study				Profile of study (general academic, practical)		Year /Semester	
	sport			brak)		3/5	
Elective	path/specialty	stics of Transport	Su	ibject offered in: Polish		Course (compulsory, elective) obligatory	
Cycle of	study:		Form o	f study (full-time,part-time	e)		
First-cycle studies				full-time			
No. of h	ours		4			No. of credits	
Lectur	e: 2 Classes	s: - Laboratory: 1	Pro	ject/seminars:	-	3	
Status o	f the course in the study	program (Basic, major, other)	(univ	versity-wide, from anothe	,		
		(brak)			(br	ak)	
Educatio	on areas and fields of sci	ence and art				ECTS distribution (number and %)	
Resp	onsible for subje	ect / lecturer:	Resp	onsible for subj	ect /	lecturer:	
dr in	ż. Michał Libera		dr i	dr inż. Marcin Kiciński			
	il: michal.libera@put.	poznan.pl	email: marcin.kicinski@put.poznan.pl				
	+4861 665-2223		tel. +4861 665-2129				
	ulty of Working Machii Piotrowo 3 60-965 Poz	nes and Transportation		Faculty of Working Machines and Transportation ul. Piotrowo 3 60-965 Poznań			
Prere	quisites in term	s of knowledge, skills an		-			
1	Knowledge	Student has a basic knowledge of the structure of transport equipment and in the field of technical operation.					
2	Skills	•	synthesize information, draw conclusions, formulate and justify				
3	Social competencies	Student is aware of the important economic and environmental	nce of rational use of means of transport in terms of technical,				
Assu	mptions and obj	ectives of the course:					
Develo	p the ability to formula	te and solve problems in operatio	on and n	naintenance of transpo	ort eq	uipment.	
16	•	mes and reference to the	educa	ational results fo	or a f	ield of study	
	vledge:	denote the death of the state of the state					
		blogy in the field of operation and i				o provido for anora	
2. Stud [T1A_V		ary operation models and vehicle s	Service	Sudleyles as well as v	vays t	o provide for spare parts -	
		luate the effectiveness of operation	on and r	naintenance - [T1A W	/06]		
		mpact of operation and maintenar		• -	-	e - [T1A_W06]	
Skills	:						
		adapt and reorganize the simple c ganization use vehicles) [T1A_l		n and maintenance sy	stem	s (selecting the correct	
	ent is able to manage itenance [T1A_U04	a fleet of transport and to respon-	id in the	event of problems in	the or	ganization of the operation	
		or check a simple maintenance o	peratior	ns and repair - [T1A_I	J04]		
	I competencies:						
profess	ional development		-	-			
	le to identify and reso ogy/environment leve	Ive the dilemmas associated with I [K1A_K02]	the pro	ression, among others	s. prol	piems at the	

Assessment methods of	f study outcomes				
Lectures: test and personal interview, the essence of which is to che maintenance.	ck the understanding of issues	of operation and			
Lab: Monitoring of prepare students for laboratory classes and the in	nplementation of the report.				
Course descr	iption				
The problem groups in the theory of operation and maintenance. The maintenance of vehicles.	e objectives and stages of resea	arch in operation and			
Destructive processes occurring at the vehicles.					
Factors affecting the condition of the vehicle.					
Models use of means of transport.					
The use of means of transport.					
Service of means of transport.					
Basic bibliography:					
1. Macha E.: Reliability of machines. Wydawnictwo Politechniki Opol	lskiej, Opole 2001				
2. Hebda M.: Eksploatacja samochodów. Wydawnictwo Instytutu Teo	chnologii Eksploatacji, Radom 2	2005			
 Gronowicz J.: Eksploatacja techniczna i utrzymanie samochodów. Szczecin, 1997 	. Wydawnictwo Uczelniane Polit	echniki Szczecińskiej,			
4. Smalko Z.: Podstawy eksploatacji technicznej pojazdów. Warszaw	va, Wydawnictwo Politechniki W	/arszawskiej, 1987			
Additional bibliography:					
1. Niziński S.: Eksploatacja obiektów technicznych. Wyd. ITeE, Rado	om, 2002				
Result of average stud	lent's workload				
Activity		Time (working hours)			
1. Lecture participation		30			
2. Laboratory participation	15				
3. Consultation	2				
4. Preparation for assessment	7				
5. Assessment participation	2				
Student's wor	rkload				
Source of workload	hours	ECTS			
Source of workload					
Total workload	60	3			
	60 45	3			