		STUDY MODULE D	ESCRIPTION FORM			
	f the module/subject technology and	flight simulators	Code 1010601151010637636			
Field of study			Profile of study	Year /Semester		
Aerospace Engineering			(general academic, practical (brak)	3/5		
	path/specialty		Subject offered in:	Course (compulsory, elective)		
		ircraft Piloting	Polish	obligatory		
Cycle of	f study:		Form of study (full-time,part-time)			
First-cycle studies			full-time			
No. of h	ours			No. of credits		
Lectur	0.4000		Project/seminars:	- 2		
Status o	-	program (Basic, major, other)	(university-wide, from another			
(brak) Education areas and fields of science and art			ECTS distribution (number			
Euucali				and %)		
techr	nical sciences			2 100%		
	Technical scie	ences		2 100%		
Responsible for subject / lecturer:			Responsible for subject / lecturer:			
0	Wojciech Nowaczyk		dr hab. inż. Agnieszka Wro			
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	iział Inżynierii Transpo	ortu	tel. +48 784 698 595 Wydział Inżynierii Transportu			
	Piotrowo 3 60-965 Poz		ul. Piotrowo 3 60-965 Poznań			
Prere	quisites in term	s of knowledge, skills an	d social competencies:	:		
1	Knowledge	in the field of airframe assemblie and emergency systems [PRK4	frame assemblies, control systems, hydraulic, pneumatic, fuel, air-conditioning systems [PRK4]			
2	Skills	can apply the scientific method in solving problems [PRK4]				
3	Social competencies	knows the limits of own knowledge and skills; can work in a group [PRK4]				
Assu	mptions and obj	ectives of the course:				
Construction and operating rules of an aircraft simulator. Daily flights VFR. IFR daily flights. Approach landing approach. Navigating the airplane on the basis of instruments and ground radio navigation means. Assessment of the situation and proper operation in special situations during the flight. Principles of conducting radio correspondence.						
		mes and reference to the	educational results for	r a field of study		
Know	vledge:					
	detailed knowledge re tors - [K1A_W16]	lated to selected issues in the fiel	d of navigation and flight techn	iques and the use of flight		
method	ds of construction, ma	e necessary for understanding of p nufacturing, operation, air traffic n ace environment - [K1A W23]				
Skills						
1. can the fiel	use verbal communica d of the studied field c	ation in one additional foreign lang f study in this language, can prep or logistic tasks  - [K1A_U07]				
	al competencies:					
1. unde	erstands the need to le	earn throughout life; can inspire a	nd organize the learning proces	ss of other people - [K1A_K01]		
impact	on the environment, a	and understands the non-technic and the related responsibility for d group, taking on different roles in	ecisions - [K1A_K02]	neering activities, including its		
J. Call	Interact and WORK III a	group, taking on unterent roles in	n - [N IA_NUJ			
		Assessment metho	ds of study outcomes			

oral exam					
Course desci	iption				
Ability to interpret the indications of on-board instruments, maneuve flight, en-route, flight to the geographical orientation zone of the take based on instrument and ground radio navigation indications. Knowl situations in flight. Ability to act in emergency situations.	e-off and landing airport, and nav	rigating the airplane			
Basic bibliography:					
1. Instrukcja użytkowania w locie Cessna 150 SP-GZP					
2. Instrukcja użytkowania w locie Cessna 152 SP-POZ					
3. Instrukcja użytkowania w locie Cessna 172 SP-KMB					
4. Instrukcja użytkowania w locie Extra 330LX SP-UTA					
5. Pilots Guide Garmin Aera 500					
6. Pilots Guide Garmin GMA 342					
7. Pilots Guide Garmin GNT 650					
8. Pilots Guide Garmin GTX 328					
9. Instrukcja użytkowania w locie Zlin 242L SP-UTB					
Additional bibliography:					
Result of average stud	lent's workload				
Activity		Time (working hours)			
1. Participation in classes (according to plan)		30			
2. Preparation for the exam / pass	20				
3. Participation in the exam / pass	1				
Student's wo	rkload				
Source of workload	hours	ECTS			
Total workload	51	2			
Contact hours	31	1			
Practical activities	51	2			