		STUDY MODULE D	ESCRIPTION FORM	
	f the module/subject <b>raffic</b>			<sup>ode</sup> 010621261010624113
Field of	study		Profile of study (general academic, practical)	Year /Semester
Tran	sport		(brak)	3/6
Elective	e path/specialty Air	craft Transport	Subject offered in: Polish	Course (compulsory, elective)
Cycle o	f study:		Form of study (full-time,part-time)	
	First-cyc	cle studies	full-time	
No. of h	iours		<u>.</u>	No. of credits
Lectu	re: 1 Classes	s: - Laboratory: -	Project/seminars: 1	2
Status of	of the course in the study	program (Basic, major, other)	(university-wide, from another fiel	
		(brak)	(b	rak)
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)
techr	nical sciences			2 100%
Ber ema tel. Fac	edykt Sasim, D.Sc.En ail: bensas@wp.pl 602457583 ulty of Machines and <sup>-</sup> fotrowo street, 60-965	ig Transport		
	·	is of knowledge, skills an	d social competencies:	
1	Knowledge	Basic knowledge of physics and geography		
2	Skills	Is able analyze the interrelationships between the effects and causes of phenomena and events arising from the laws of physics.		
3	Social competencies	Prepared for teamwork		
Assu	mptions and obj	ectives of the course:		
		e development of air traffic in Euro affic services, air traffic flow mana		ganizations, air traffic
	Study outco	mes and reference to the	educational results for a	field of study
Knov	vledge:			
	-	what to do to solve a given proble		
	•	ws of physics in the air transport -		
		aircraft equipment necessary to n	nove in the sky - [-]	
Skills	-		•	
		lem in the field of air transport [		
		se and effect of the problem and p sks and steps in air transport - [-]		
		of action navigation systems used	d in aviation - [-]	
	al competencies:		[]	
		learning throughout life - [-]		
2. Is a		e and understand the business imp	pact of non-technical engineer in	the field of multi-faceted
		Assessment metho	ds of study outcomes	

## Exam and colloquium

Course desci	iption	
Origins of airspace control. Basic abbreviations used in air traffic. Ke codes. Air traffic services. Advisory service flight information. Alertin definitions (course, bearing, azimuth, radial, glisada) Calculation of the aircraft. Preparation of the flight plan.	g service. Polish airspace. Work	on the map, the basic
Basic bibliography:		
1. Compa t., Zarządzanie przestrzenią powietrzną, AON, Warszawa	2003	
2. Chmur S., Wykorzystanie lotnictwa w morskich i powietrznych op ASG, Warszawa 1976.		e II Wojny Światowej.
3. Glen A., Marud W., Kontrola przestrzeni powietrznej w czasie kryz	zysu i wojny, AON, Warszawa20	002
4. Pszeniczny A., Siły i straty w działaniach powietrznych, ASG, Wa		
5. Szutowski L., Poradnik pilota samolotowego, Poznań 2007		
Additional bibliography:		
1. Zarządzanie ruchem lotniczym PL 4444 ? rozdział 1.		
2. Zarządzanie ruchem lotniczym w przestrzeni powietrznej RP, WL	OP, Warszawa 2002	
Result of average stud	ent's workload	
Activity		Time (working hours)
1. Participation in lectures		1
2. Participation in lectures		15
3. Learning of lectures content	5	
4. Office hours - lectures	5	
5. Preparation for exam		10
6. Participation in exam		1
7. Preparation for excersises		1
8. Participation in excersises		15
9. Office hours - excersises	5	
10. Preparation for test	10	
11. Participation in test		1
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	69	2
Contact hours	42	2
Practical activities	0	0