		STUDY MODULE D	ESCRIPTION FORM	
	of the module/subject	ght and Flight Mechanics		Code 1010621261010624111
Field of		giit aiia i ngiit moonamoo	Profile of study	Year /Semester
Tron	onort		(general academic, practical)	
	e path/specialty		(brak) Subject offered in:	3 / 6 Course (compulsory, elective)
Licotive		craft Transport	Polish	obligatory
•			Form of study (full-time,part-time)	, , , , , , , , , , , , , , , , , , , ,
			full-time	
No. of h	nours			No. of credits
Lectu	_	s: 1 Laboratory: -	Project/seminars:	- 2
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another f	•
		(brak)		(brak)
Educati	ion areas and fields of sci	ence and art		ECTS distribution (number and %)
techi	nical sciences			2 100%
Resp	onsible for subje	ect / lecturer:	Responsible for subject	ct / lecturer:
	osław Markowski D.Sc		•	
	ail: jaroslaw.markowsk	•	Benedykt Sasim, D.Sc.Eng email: bensas@wp.pl	
tel.	(61) 647 5992		tel. 602457583	
	culty of Machines and	•	Faculty of Machines and Tr	•
	iotrowo street, 60-965	·	3 Piotrowo street, 60-965 F	
Prere	equisites in term	s of knowledge, skills an	d social competencies:	
1	Knowledge	Basic knowledge of physics, ma	athematics, mechanics.	
2	Skills	Can analyze the interrelationshi arising from the laws of physics.		ses of phenomena and events
3	Social	Prepared to fork in team		
٨٥٥١	competencies	actives of the course:		
	•	ectives of the course: s having reference to aspects of a	aviation in particular related to	flows around hodies, generation
		ng to know the methods of analys		
		mes and reference to the	educational results for	a field of study
	vledge:			
	=	what to do to solve a given proble		
	•	out the construction of aircraft - [-	-	
	=	aircraft equipment necessary to r ws of physics in the construction a		
Skills		ws or physics in the construction a	and design of afficiant - [-]	
		m in physics, aerodynamics, fluid	machanics associated with asn	pacts of air - [-]
		se and effect of the problem and p		rects of all - [-]
		tasks and steps in the construction		
		ws of physics in the construction a		
	al competencies:		<u> </u>	
	•	learning throughout life - [-]		
2. Is a	ware of the importance	e and understand the business im	pact of non-technical engineer i	in the field of multi-faceted
impact	t of air transport - [-]			

Assessment methods of study outcomes
End exam, colloquium and excersises test

Faculty of Working Machines and Transportation

Course description

Aerospace structures, construction and design features of aircraft (why the plane years). Basic concepts of physics, mechanics, fluid mechanics, aerodynamics associated with aspects of the flight of aircraft. Prospects for the development of aircraft structures to improve the properties of the volatile economic and ecological aircraft.

Basic bibliography:

- 1. Lewitowicz J. i in. Podstawy Eksploatacji Statków Powietrznych Tom 1-5 Wydawnictwo ITWL
- 2. Milkiewicz A. , Praktyczna aerodynamika i mechanika lotu samolotu odrzutowego, w tym wysokomanewrowego. Wydawnictwo ITWL, Warszawa 2009.
- 3. Łanecka-Makaruk W., Łucjanek W. Mechanika lotu. WKiŁ 1966.

Additional bibliography:

Result of average student's workload

Activity	Time (working hours)
1. Preparation for lectures	1
2. Participation in the lecture	30
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	7
8. Participation in excersises	15
9. Office hours - excersises	10
10. Preparation for test	10
11. Participation in test	0

Student's workload

Source of workload	hours	ECTS
Total workload	45	2
Contact hours	30	1
Practical activities	15	1