

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Rocket Science, E:41049W0								
Field of study	Space and Satellite Technologies								
Date of commencement of studies	February 2024		Academic year of realisation of subject			2023/2024			
Education level	second-cycle studies		Subject group						
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	1		Language of instruction			English			
Semester of study	1		ECTS credits			3.0			
Learning profile			Assessment form			assessment			
Conducting unit	Department of Geoinformatics -> Faculty of Electronics, Telecommunications and Informatics								
Name and surname	Subject supervisor		dr hab. inż. Zbigniew Łubniewski						
of lecturer (lecturers)	Teachers		dr hab. inż. Zbigniew Łubniewski						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	t	Seminar	SUM	
	Number of study hours	15.0	0.0	0.0	30.0		0.0	45	
	E-learning hours inclu								
Learning activity and number of study hours	Learning activity	Participation i classes includ plan		Participation in consultation h		Self-study		SUM	
	Number of study hours	45		10.0		20.0		75	
Subject objectives	Knowledge and unde - The student knows to - The student has known phenomena physical - The student has known - The student has known	the construction wledge of med phenomena oc	n of rockets chanics, in parti ccurring in exter	icular, the know rnal ballistics ol	vledge n bjects re	ecessa	ry to underst	nology.	
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K7_K82] is equipped to participate actively in lectures, seminars and laboratory classes conducted in foreign language		The student communicates in English and prepares all projects and reports in English.			[SK4] Assessment of communication skills, including language correctness			
	[K7_K81] is able to cooperate in international team at her/his own university, during work placement and during study abroad		Student współpracuje z kolegami z zagranicy			[SK1] Assessment of group work skills			
	[K7_K04] Can show resourcefulness and ingenuity in dealing with professional tasks.		The student demonstrates an entrepreneurial spirit			[SK2] Assessment of progress of work			
	K7_U09		The student knows the tools of the field of study and the subject of rocket science			[SU4] Assessment of ability to use methods and tools			
	K7_W04		Student can design rocket functions and plan its mission			[SW1] Assessment of factual knowledge			
Subject contents	Rocket Science Fund dynamic and motions		zle; Rocket equ	uation; Propulsi	ive; Roc	ket eng	jines; Orbits;	Rocket	
Prerequisites and co-requisites	Basic engineering kn	owledge							
Assessment methods	Subject passing criteria		Passing threshold			Percentage of the final grade			
Assessment methods		y unicha	Газэ	ing unesnou		1 61	centage of the	e final grade	
Assessment methods and criteria	test		56.0%			100.0%	-	e final grade	

	Supplementary literature	-				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	-					
Work placement	Not applicable					

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