

Subject card

Subject name and code	, PG_00055307								
Field of study	Ocean Engineering								
Date of commencement of studies	October 2021		Academic year of realisation of subject			2021/2022			
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study			
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	1		Language of instruction			Polish			
Semester of study	2		ECTS credits			4.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Faculty of Ocean Engineering and Ship Technology								
Name and surname	Subject supervisor dr inż. Wojciech Leśniewski								
of lecturer (lecturers)	dr inż. Magdalena Kunicka dr inż. Wojciech Leśniewski								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	:t	Seminar	SUM	
of instruction	Number of study hours	30.0	15.0	0.0	0.0		0.0	45	
	E-learning hours included: 0.0								
	Adresy na platformie eNauczanie:								
Learning activity and number of study hours	Learning activity Participation in classes include plan				Self-study SUM				
	Number of study hours	45		5.0		50.0		100	
Subject objectives	Familiarize students with the basics of electrical engineering and electronics								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_K01] is aware of the need of constant improvement within the range of the possessed job and knows the possibilities of further education		Student is able to solve simple problems in the field of electrical engineering and electronics.			[SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work			
	on hydromechanics, thermodynamics, machine construction, ecology, materials		The student knows the development trends in the field of modern systems electric used in shipbuilding			[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects			
Subject contents	Basic physical quantities in electrical engineering. Elements of RLC circuits Analysis of electrical circuits (Ident. Circuits) Solving circuits in the time domain Symbolic method of solving electrical circuits. (complex numbers) Analysis of electric circuits. solving graphical method Analysis of electric circuits. solving analytical method Impedance replacement Magnetism. The magnetic circuit Solving magnetic circuits Circuits associated 3f ~, The system ee Processing e.e to other types of energy								

Data wydruku: 27.07.2024 09:08 Strona 1 z 2

Prerequisites							
and co-requisites							
and so requience	The knowledge of mathematics and physics of university level						
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade				
and chiena	test	50.0%	100.0%				
Recommended reading	Basic literature						
		Podstawy elektrotechniki i elektroniki. St. Bolkowski					
	Teoria obwodów elektrycznych. St.Bolkowski						
		TOOTIA ODWOODOW GIGKLI YOZI IYOTI. SL.DOIKOWSKI					
		Flat de chaille i clatique ilse almatisme de la Paris Est					
		Elektrotechnika i elektronika okrętowa - nowe wyd. R. BIAŁEK					
	Supplementary literature						
		Podstawy elektrotechniki i elektroniki. R. Kurdziel					
		Elektrotechnika okrętowa. Czytanie schematów J. WYSZKOWSKI					
		Elektrotechnika okrętowa. Napędy elektryczne J. WYSZKOWSKI					
		Elektrotechnika teoretyczna. Obwody prądu stałego T. PIOTROWSKI Eksploatacja i diagnostyka elektrycznych urządzeń okrętowych J.					
		MAJEWSKI					
		Bezpieczna praca elektryka i elektronika na statku H. ŁĄCZYŃSKI					
		Elektryczne urządzenia okrętowe. Laboratorium R. BIAŁEK,W. WOLCZYŃSKI, T. NOWAK, P. RUPNIK					
		VVOLGZ TINSKI, T. INOVVAK, P. K	OI WIN				
	eResources addresses						
Example issues/							
example questions/	Description and solution electrical circuits. in the time domain and symbolic method.						
tasks being completed	lavar den er avale	al desertis Danier 1 11 11 11 11	ata at atau atta				
	Impedance replacement of electrical circuits. Resonances in the electrical circuits						
Work placement	Magnetic circuits - solving systems. Not applicable						
Work placement	Not applicable						

Data wydruku: 27.07.2024 09:08 Strona 2 z 2