



Subject card

Subject name and code	Metal Yacht Construction, PG_00056256						
Field of study	Design and Construction of Yachts						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2024/2025		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		2.0		
Learning profile	practical profile		Assessment form		assessment		
Conducting unit	Zakład Mechaniki Konstrukcji Oceanotechnicznych -> Institute Of Naval Architecture -> Faculty Of Mechanical Engineering And Ship Technology -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Artur Karczewski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		3.0		17.0	50
Subject objectives	The aim of the course is to teach the student with the principles of designing a yacht hull structure from metal materials, taking into account technological conditions and construction calculations based on the regulations of classification societies.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_W03		The student has basic knowledge of hydromechanics, thermodynamics, machine construction, ecology, material science and electrical engineering necessary to understand the principles of construction and operation of yachts		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
	K6_W06		The student has structured knowledge of engineering methods and design tools enabling the implementation of projects in the field of construction and operation of yachts		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
	K6_U05		The student is able to formulate a simple engineering task and its specificity in the field of designing, manufacturing and operating yachts		[SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task		
Subject contents	Review and selection of metal materials used in yacht structures. Overview of structural nodes and principles of their design. Basic structural calculations. Technological process of metal structures. Organization of the technological process. Construction and technological requirements resulting from the regulations of classification societies and standards.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Test		50.0%		100.0%		

Recommended reading	Basic literature	L. Larsson, R. E. Eliasson, M. Orych: Podstawy projektowania jachtów, W. L. Suska, Motorówki i małe kutry motorowe, Przepisy klasyfikacji i budowy jachtów morskich (JAC), Przepisy klasyfikacji i budowy łodzi motorowych (MOT),
	Supplementary literature	Normy ISO
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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