



## Subject card

Subject name and code	, PG_00056264						
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	Faculty of Ocean Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Wojciech Leśniewski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	5.0	10.0	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		4.0		16.0	50
Subject objectives	To acquaint students with the basic equipment of contemporary yachts						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K6_W03	The student knows the basic and required equipment of the watercraft.			[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	K6_K03	The student is able to make informed design decisions based on design regulations and recommendations			[SK5] Assessment of ability to solve problems that arise in practice		
	K6_W05	The student is able to choose the equipment of the vessel based on the shipowner's requirements and the regulations of classification societies.			[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation		
	K6_W04	The student is able to use computer software to acquire knowledge and implement projects.			[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	<p>Lectures: To familiarize students with the requirements of classification societies regarding yacht equipment. Discussion of the principle of operation and selection of basic systems and devices including: water and sanitary and fire protection systems, steering gear, mooring and anchoring, rescue and rescue, for handling sails and reloading.</p> <p>Exercises: Determination of main loads and technical parameters of basic devices and their selection for specific types and sizes of yachts</p> <p>Laboratories: Getting to know examples of ship equipment solutions.</p>						
Prerequisites and co-requisites	Knowledge of technical drawing and basics of machine construction						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
		50.0%			50.0%		
		50.0%			50.0%		

Recommended reading	Basic literature	<p>1. Dietrich M. i inni: Podstawy konstrukcji maszyn . WNT 1999.</p> <p>2. Szala J.: Napędy Mechaniczne - materiały z podstaw konstrukcji maszyn. Wydawnictwo ATR - Bydgoszcz 1997</p> <p>3. Katalogi osprzętu jachtowego</p> <p>4. <i>Polski Rejestr Statków, przepisy klasyfikacji i budowy jachtów morskich,</i></p> <p>5. <i>Z.J. Milewski, Projektowanie i Budowa Jachtów żaglowych,</i></p> <p>6. <i>L. Larsson, M. Orych, R. E. Eliasson, Podstawy projektowania jachtów,</i></p>
	Supplementary literature	Kurmaz L. - Projektowanie węzłów i części maszyn
	eResources addresses	Adresy na platformie eNauczanie:
	Example issues/ example questions/ tasks being completed	Determination of technical parameters and selection of the device: steering, mooring and anchoring, capstan for tightening sails, boat davit, thruster, etc.
Work placement	Not applicable	