



Subject card

Subject name and code	, PG_00054154						
Field of study	Design and Construction of Yachts						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to practical vocational preparation		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	4	ECTS credits			3.0		
Learning profile	practical profile	Assessment form			assessment		
Conducting unit	Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Artur Karczewski					
	Teachers	dr hab. inż. Przemysław Krata					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	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	5.0		40.0	75	
Subject objectives	The aim of the course is to prepare an initial design of a sailing yacht containing: - interior layout,- deck plan,- general plan,- sail plan,- determination of mass characteristics (list of materials),- assessment of intact and damage stability,- performing VPP analysis.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K6_U06	The student is able to solve design tasks in the field of yacht design and construction			[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment		
	K6_W06	The student is able to use engineering methods and tools in designing			[SW3] Assessment of knowledge contained in written work and projects		
	K6_W05	The student is able to use knowledge in the field of design, construction and operation of yachts in designing			[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	layout plan,- deck plan,- general plan,- sail plan,- determination of mass characteristics (list of materials),- assessment of intact and damage stability,- performing VPP analysis.						
Prerequisites and co-requisites	Passed course: Project work I						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Report	100.0%			100.0%		

Recommended reading	Basic literature	L. Larsson, R. E. Eliasson, M. Orych: Podstawy projektowania jachtów Z. J. Milewski, Projektowanie i budowa jachtów żaglowych J. W. Dziewulski, Wiadomości o jachtach żaglowych
	Supplementary literature	Przepisy Klasyfikacji i Budowy Jachtów Morskich, Części I VII, PRS Przepisy Klasyfikacji i Budowy łodzi motorowych, Części I-VI, PRS W. L. Suska, Motorówki i małe kutry motorowe. J. Michalski, Podstawy projektowania okrętów Cz. Marchaj, <i>Teoria żeglowania Hydrodynamika kadłuba</i> Cz. Marchaj, <i>Teoria żeglowania Aerodynamika żagla</i> Cz. Marchaj, <i>Dzielność morska</i> J. Kuliński, Z. Klimczak, <i>Praktyka Bałtycka na małym jachcie (po latach)</i> 29/P <i>Obliczanie i ocena stateczności statków żaglowych o długości nie mniejszej niż 24 m, PRS</i>
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	