



Subject card

Subject name and code	Project 1, PG_00041791						
Field of study	Ocean Engineering						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
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	general academic 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. Agnieszka Maczyszyn					
	Teachers	dr inż. Agnieszka Maczyszyn dr hab. inż. Damian Bocheński					
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	Familiarize students with the basics of designing deck equipment and general ship installations on a selected type of ship.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems	The student is able to choose the optimal solution to the problem related to the arrangement of anchor and mooring equipment on board the ship.			[SW2] Assessment of knowledge contained in presentation		
	[K6_U02] can work individually and in a team, communicate through various techniques in professional environment and also record, analyse, and present the results of work, can estimate the time needed to complete a given task	The student is able to select ship machinery.			[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
	[K6_U06] in compliance with a formulated specification and with the aid of appropriate tools and methods, is able to complete a simple engineering task within the range of design, construction and operation of ocean technology objects and systems	The student is able to propose the type of general ship's installation.			[SU2] Assessment of ability to analyse information		
[K6_W06] has an organized knowledge on engineering methods and design tools allowing the conducting of projects within the construction and operation of ocean technology objects and systems	The student knows the rules and tools helpful in the design of on-board equipment.			[SW3] Assessment of knowledge contained in written work and projects			

Subject contents	<p>1: introduction, assignment of ship types</p> <p>2: Estimation of the main dimensions for the designed unit and calculation of the equipment index.</p> <p>3: Selection of anchor and mooring equipment, drawing up a diagram of its arrangement on board the ship</p> <p>4: Selection, calculations and drawing of steering equipment</p> <p>5: Selection, calculations and drawing of general ship installations (ballast, bilge, fire protection)</p> <p>6: Selection and drawing of the distribution of rescue and rescue equipment on the ship</p> <p>7: Selection, calculations and drawing of special equipment</p> <p>8: Delivery of ready-made projects.</p>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="454 866 796 896">Subject passing criteria</th> <th data-bbox="801 866 1142 896">Passing threshold</th> <th data-bbox="1147 866 1492 896">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="454 902 796 931">ship propulsion system design</td> <td data-bbox="801 902 1142 931">60.0%</td> <td data-bbox="1147 902 1492 931">50.0%</td> </tr> <tr> <td data-bbox="454 938 796 987">Project from parts of on-board equipment</td> <td data-bbox="801 938 1142 987">60.0%</td> <td data-bbox="1147 938 1492 987">50.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	ship propulsion system design	60.0%	50.0%	Project from parts of on-board equipment	60.0%	50.0%
Subject passing criteria	Passing threshold	Percentage of the final grade										
ship propulsion system design	60.0%	50.0%										
Project from parts of on-board equipment	60.0%	50.0%										
Recommended reading	<table border="1"> <tbody> <tr> <td data-bbox="454 1001 796 1050">Basic literature</td> <td colspan="2" data-bbox="801 1001 1492 1050">Wojtaszczyk B.: Urządzenia przeładunkowe drobnicowców, Wydawnictwo Morskie 1988</td> </tr> <tr> <td data-bbox="454 1057 796 1106">Supplementary literature</td> <td colspan="2" data-bbox="801 1057 1492 1106">Więckiewicz W.: Instalacje kadłubowe statków morskich, Wydawnictwo Akademii Morskiej w Gdyni, Wydanie II, Gdynia 2009</td> </tr> <tr> <td data-bbox="454 1113 796 1301">eResources addresses</td> <td colspan="2" data-bbox="801 1113 1492 1301"> Adresy na platformie eNauczanie: Praca projektowa I, Oce, sem.4,letni 23/24 (PG_00041791) - Moodle ID: 36767 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36767 Praca projektowa I, Oce, sem.4,letni 23/24 (PG_00041791) - Moodle ID: 36767 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36767 </td> </tr> </tbody> </table>			Basic literature	Wojtaszczyk B.: Urządzenia przeładunkowe drobnicowców, Wydawnictwo Morskie 1988		Supplementary literature	Więckiewicz W.: Instalacje kadłubowe statków morskich, Wydawnictwo Akademii Morskiej w Gdyni, Wydanie II, Gdynia 2009		eResources addresses	Adresy na platformie eNauczanie: Praca projektowa I, Oce, sem.4,letni 23/24 (PG_00041791) - Moodle ID: 36767 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36767 Praca projektowa I, Oce, sem.4,letni 23/24 (PG_00041791) - Moodle ID: 36767 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36767	
Basic literature	Wojtaszczyk B.: Urządzenia przeładunkowe drobnicowców, Wydawnictwo Morskie 1988											
Supplementary literature	Więckiewicz W.: Instalacje kadłubowe statków morskich, Wydawnictwo Akademii Morskiej w Gdyni, Wydanie II, Gdynia 2009											
eResources addresses	Adresy na platformie eNauczanie: Praca projektowa I, Oce, sem.4,letni 23/24 (PG_00041791) - Moodle ID: 36767 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36767 Praca projektowa I, Oce, sem.4,letni 23/24 (PG_00041791) - Moodle ID: 36767 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36767											
Example issues/ example questions/ tasks being completed												
Work placement	Not applicable											