



## Subject card

Subject name and code	, PG_00043297						
Field of study	Coastal and Offshore Engineering, Coastal and Offshore Engineering						
Date of commencement of studies	February 2022	Academic year of realisation of subject			2022/2023		
Education level	second-cycle studies	Subject group			Obligatory subject group in the field of study 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	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Ship and Land Based Power Plants -> Faculty of Ocean Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Damian Bocheński					
	Teachers	dr hab. inż. Damian Bocheński mgr inż. Patrycja Puzdrowska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	0.0	45
	E-learning hours included: 0.0 Prace pogłębiarskie i refulacyjne - Moodle ID: 25734 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=25734">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=25734</a> Prace pogłębiarskie i refulacyjne, C, IMiB, sem. 2, st. II, zima 22/23 (PG_00043297) - Moodle ID: 26078 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=26078">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=26078</a>						
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	45	5.0	25.0	75		
Subject objectives	To familiarize students with the problems of dredging						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K7_W07	The student has knowledge of dredging equipment, dredging technology, dredging work monitoring			[SW1] Assessment of factual knowledge		
	K7_K02	The student knows and is aware of the importance of the impact of dredging work on the environment			[SK5] Assessment of ability to solve problems that arise in practice		
	K7_U04	The student is able to design the performance of dredging works by choosing dredging technology and equipment			[SU1] Assessment of task fulfilment		
Subject contents	The purpose and tasks of dredging, types of dredging works, causes of sanding. News about dredging equipment. Construction and equipment of dredgers. Dredging technologies. Preparatory work for the implementation of dredging works. As-built survey of dredging works. Underwater works. Exploitation of submarine mineral deposits.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	design task	100.0%			40.0%		
	test	60.0%			60.0%		

Recommended reading	Basic literature	<p>Balcerski A., Bocheński D.: Układy technologiczne i energetyczne jednostek oceanotechnicznych. Politechnika Gdańska. 1998</p> <p>Lewko E.: Portowe roboty czepalne i podwodne. Akademia Morska w Gdyni 2006</p> <p>Bray R. N., Bates A., Land J. M.: Dredging, London 1997</p> <p>Vlasblom J. W.: Designing dredging equipment. TUDelft 2003</p> <p>Welte A.: <i>Nassbaggertechnik</i>. Institut für Maschinenwesen in Baubetrieb, Universität Fridericiana, Karlsruhe 1993</p>
	Supplementary literature	internet
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	