



## Subject card

Subject name and code	Offshore Systems, PG_00046542						
Field of study	Ocean Engineering, Ocean Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group					
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	4	Language of instruction			Polish		
Semester of study	8	ECTS credits			2.0		
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. Jacek Nakielski					
	Teachers	dr inż. Jacek Nakielski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	0.0	0.0	0.0	20
	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	20	3.0		27.0		50
Subject objectives	The aim of the course is to familiarize students with the methods of obtaining raw materials, including crude oil and natural gas from under the seabed as well as obtaining energy from renewable sources on the example of offshore wind farms.						
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				[SW1] Assessment of factual knowledge		
	[K6_U05] can formulate a simple engineering task and its specification within the range of design, construction and operation of ocean technology objects and systems				[SU2] Assessment of ability to analyse information		
	[K6_W08] has knowledge of the principles of sustainable development				[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
Subject contents	The course material includes knowledge of:- methods of searching for crude oil and natural gas under the seabed,- installation and construction of individual elements of the oil field,- basic offshore drilling methods,- methods of laying submarine pipelines,- the type of ocean engineering facilities for offshore works, including drilling and construction, equipment and equipment for the construction and operation of the oil field (FSU / FSO, FPSU / FPSO, FPDSO, drilling and production platforms),- offshore crude oil and natural gas reloading operations,- offshore wind farm locations,- installation and construction of wind farms,- production of renewable energy,- Polish and international regulations and institutions supervising the course of individual investment stages, starting with the conceptual design, ending with operation and distribution. Więcej o tekście źródłowym Wskaż tekst źródłowy, by wyświetlić dodatkowe informacje o tłumaczeniu Prześlij opinię Panele boczne						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
			50.0%		100.0%		
Recommended reading	Basic literature		-				

	Supplementary literature	-
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	