GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00057244		
Field of study	Ocean Engineering		
Date of commencement of studies	February 2022	Academic year of realisation of subject	2021/2022
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	1	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 Anna Dembicka	
	Teachers	mgr inż. Paweł Szalewski dr Anna Dembicka	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	15.0	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	15.0	50

Subject objectives

Knowing and understanding the principles of project management.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W09] has organized, widened knowledge on the principles of sustainable development	The student is able to properly plan the task, develop a schedule and a statement of costs, as well as carry out a risk analysis in the implementation of the project, especially with regard to environmental protection issues.	[SW3] Assessment of knowledge contained in written work and projects
[K7_K02] is aware non-technical aspects and effects of operation as an engineer, its influence on the environment and is aware of the responsibilities for the decisions taken	The student correctly selects the issues to solve the task, decides the importance of individual problems in the scale of the entire task.	[SK5] Assessment of ability to solve problems that arise in practice
[K7_W03] has a widened knowledge in the range of reliability and safety of ocean technology objects and systems and environmental protection in ocean technology	The student has knowledge of the reliability and safety of ocean engineering facilities and systems, also in the field of environmental protection	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
[K7_U06] when forming and solving design tasks can see their non-technical aspects, including environmental, economical and legal ones. Applies HSE rules and regulations	n the course of solving design tasks, the student is able to see environmental, economic and legal problems and applies the principles of health and safety at work.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
[K7_U05] can conduct an initial economic analysis of an investment in the range of ocean technology, indicate detailed rules of law and branch regulations	The student is able to prepare an economic analysis plan, indicate the relevant laws and industry regulations	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task

Subject contents	Definicja i rola projektu we współczesnych organizacjach. Elementy projektu i rodzaje projektów. Model procesowy realizacji projektu. Zarządzanie projektem (przebiegiem projektu) Fazy projektu: inicjalizacja, planowanie, realizacja, raportowanie, walidacja, zakończenie. Struktura organizacyjna projektu. Zespół projektowy - talenty i umiejętności. Komunikacja zespołowa. Zarządzanie ryzykiem projektu. Monitorowanie jakości. Kontrola kosztów. Wymagana dokumentacja podczas projektu, raportowanie. Techniki stosowane w zarządzaniu projektem: techniki poszukiwania pomysłów, listy kontrolne, techniki definiowania problemów, techniki strukturalizacji, techniki motywowania i kierowania, techniki negocjacyjne Metody zarządzania projektami: PMI/PMBOK, AGILE (SCRUM), PRINCE2, LEAN SOFTWARE DEVELOPMENT, WATERFALL (hierarchiczne, tradycyjne) vs AGILE, METODA ŁAŃCUCHA KRYTYCZNEGO (CCPM), METODA ŚCIEŻKI KRYTYCZNEJ (CPM).
Prerequisites and co-requisites	Knowledge of the basic principles of management

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	60.0%	50.0%
	60.0%	50.0%

Recommended reading	
Basic literature	M. Trocki, Nowoczesne zarzadzanie projektami, PWE, Warszawa 2012.
Supplementary literature	M. Chrapko, Scrum. O zwinnym zarządzaniu projektami, Helion, Warszawa PRINCE 2 - Skuteczne zarządzanie projektami, Blackwell, 2010. T. L. Young, Skuteczne zarządzanie projektami, Helion, Warszawa 2006. M. Pawlak, Zarządzanie projektami, PWN, Warszawa 2010. P. Lencioni, Pięć dysfunkcji pracy zespołowej, MT Biznes, Warszawa 2018.
eResources addresses	
Example issues/ example questions/ tasks being completed	Inicjacja pomysłu PLANOWANIE I ORGANIZOWANIE: środowisko projektowe, sponsor i zarządzający projektem, zespół projektowy, karta projektu, schemat (struktura) organizacyjny projektu, harmonogram projektu, szacowanie kosztów projektu, analiza ryzyka w projekcie, standaryzacja działań, planowanie pracy KOMUNIKACJA I MOTYWOWANIE: kroki milowe, błędy w komunikacji MONITOROWANIE I KONTROLOWANIE: wykaz procedur, listy kontrolne, monitorowanie prac, rejestr akcji i zmian, kontrola operacyjna i finansowa WERYFIKACJA I WALIDACJA ZAMKNIĘCIE I EWALUACJA: raport końcowy, prezentacja projektu, ocena końcowa, rezultaty projektu (rezultat a wpływ).
Work placement	Not applicable