



Subject card

Subject name and code	, PG_00064557						
Field of study	Mechanical and Medical Engineering						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	4	Language of instruction			Polish		
Semester of study	7	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Zakład Technologii Biomateriałów -> Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Michał Bartmański				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		0.0		0.0	15
Subject objectives	The purpose of the course is to familiarize students with the preparation of project proposals, including but not limited to: determining the purpose, scope, cost and schedule of the project using techniques such as Gantt chart, critical path determination. Students will be introduced to the possibilities of obtaining funds for ongoing research work, including in cooperation with an industrial partner, in Poland and abroad.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_K02] he/she is aware of importance of professional dealing and to fulfill ethics obligations, he/she understands other (non-technical) abilities of mechanical engineering professional, their influence on the society and security of environment, he/she is aware of importance of social cooperation	The student is able to prepare a project proposal independently and in a group			[SK1] Assessment of group work skills [SK2] Assessment of progress of work		
	[K6_W11] he/she is aware of social and juridical rules and general rules of creation and developing of individual entrepreneurship, business and quality management	The student understands the legal considerations involved in the preparation of project proposals, including in cooperation with companies			[SW2] Assessment of knowledge contained in presentation		
	[K6_K01] he/she knows his/her proficiencies and his/her limitations in performing professional tasks, he/she is aware of needing to improve his/her skills through the whole life, he/she has entrepreneurship and innovation skills, he/she is aware of engineering skills from the society point of view	The student is able to assess the impact of the proposed project proposal on society			[SK2] Assessment of progress of work		
Subject contents	1. Project definition, project portfolio2. Development of project objective and cost estimate3. Gantt chart4. critical path of the project5. Raising funds for projects						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	colloquium		56.0%		100.0%		

Recommended reading	Basic literature	<p>M. Wirkus, H. Roszkowski, E. Dostatni, W. Gierulski, Zarządzanie projektem, Polskie Wydawnictwo Ekonomiczne, Warszawa, 2014</p> <p>A. Gryzik, A. Knapińska, Zarządzanie projektami badawczo-rozwojowymi w sektorze nauki, Ośrodek Przetwarzania Informacji Instytut Badawcz, Warszawa, 2012</p> <p>M. Wirkus, A. Lis, Zarządzanie projektami badawczo-rozwojowymi, I, Wydawnictwo Difin SA, Warszawa, 2012</p>
	Supplementary literature	-
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Gantt chart Determining the Critical Path Project definition	
Work placement	Not applicable	