



Subject card

Subject name and code	Economic subject. Management systems, PG_00032920						
Field of study	Materials Engineering, Materials Engineering, Materials Engineering						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2022/2023		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Entrepreneurship and Business Law -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Barbara Geniusz-Stepnowska				
	Teachers		dr Barbara Geniusz-Stepnowska				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	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		0.0		0.0	30
Subject objectives	The aim of the Course is not only to study management and Management principles but to understand how to become leaders and entrepreneurs in post pandemic times and climate crisis challenges. Students will, over the 30 hrs course, learn the process of how to approach and plan an innovation-based new venture. Concepts are framed within the geopolitics and VUCA times.As a framework for this, we use the Design Thinking Process and Business Canvas model with the - idea generation, business plan and investor pitch as a useful vehicle to achieve this goal.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_K02		Ability to think and act in a creative and entrepreneurial way, understand the principles of cooperation in a team by assuming different roles in it		[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills		
	K6_U12		Ability to apply knowledge in the field of management systems and processes. Understanding the principles of operation of the enterprise Understanding how to use management tools to solve problems		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject		
	K6_W10		Acquiring basic knowledge related to the management, decision making, and the role of a leader in running various forms of various organizations. Essential knowledge acquisition of management and economics, including the approach to creating companies		[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation		
	K6_W09		Acquiring general knowledge about the functioning of the organizations in the changing geopolitics and social environment. Understanding the principles of sustainable development, and application of policies related to the challenges of the climate crisis.		[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects		

Subject contents	1. Geopolitics, economics, management - management systems2. Understanding the role of economics and management processes in the modern economy, trends in geopolitics: Vuca, VUCA Prime 20213. What is economics [basic concepts of micro and macroeconomics]. Getting to know the basic theories of management. Entrepreneurship4. New trends in economics: Circular vs. linear economy. Economics of nature renewal, Economics of Obwarzanek; Sustainable Development Goals; Sustainable development as a method of achieving climate neutrality and the role of business;5. Leadership; Competences of managers of the 21st century: Strategic thinking, strategic planning; Values; Mission; Vision6. The role of 21st century social movements; New business models and value chains; Building a competitive advantage; Innovation and creativity7. Getting to know the methods of developing new business strategies, building competitive organizations and processes8. Learning contemporary methods of project and process management: Design Thinking, Business Canvas9. Effective communication and presentation skills, Effective teamwork including virtual teams		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	final test	60.0%	100.0%
Recommended reading	Basic literature	1. Kate Raworth , Ekonomia obwarzanka. Siedem sposobów myślenia, 2021 2. Drucker P.F. Praktyka zarządzania, MT Biznes, 2005	
	Supplementary literature	B.Gates: Jak ocalić świat od katastrofy klimatycznej. Rozwiązania, które już mamy, zmiany, jakich potrzebujemy, 2021	
	eResources addresses	Adresy na platformie eNauczanie:	
	Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none">• Basic issues in economics and management• Contemporary trends in economics and management• Innovation in the enterprise Sustainable Development Goals Management tools, including Design Thinking, Business Canvas	
Work placement	Not applicable		