



Subject card

Subject name and code	, PG_00056137						
Field of study	Mechanical 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	Part-time studies	Mode of delivery				at the university	
Year of study	2	Language of instruction				Polish	
Semester of study	4	ECTS credits				2.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Department of Manufacturing and Production Engineering -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Stefan Dzionk				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	8.0	0.0	0.0	0.0	16
	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	16	0.0		0.0		16
Subject objectives	Introduction to basic topics of commercial costs and economics						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W12] possesses basic knowledge necessary to understand the ex-technical conditions of engineering activity, possesses basic knowledge on management, including quality management and running commercial enterprise, within the range of protection of intellectual property and patent law; knows general principles of creating and developing forms of individual entrepreneurship and basic HSE rules applicable to machine industry	The student knows the basic economic rules and their impact on the operation of the enterprise in a market economy. The student knows the basic issues of incomes and costs in the enterprise.			[SW1] Assessment of factual knowledge		
	[K6_U11] is able to analyse the operation of devices and compare the construction solutions applying usage, safety, environmental, economic and legal criteria	Student makes simple economic analysis. The student finds statistical data on a specific issues and interprets it accordingly.			[SU1] Assessment of task fulfilment		
	[K6_K01] is aware of the need for complementing the knowledge throughout the whole life, is able to select proper methods of teaching and learning, critically assesses the possessed knowledge; is aware of the importance of professional conduct and following the rules of professional ethics; is able to show resourcefulness and innovation in the realisation of professional projects	Student predicts changes in the value of the company's basic assets over time. Student calculates basic enterprise parameters related to incomes, costs, profit, etc.			[SK5] Assessment of ability to solve problems that arise in practice		

Subject contents	<p>Basic concepts in economics. Basis for the functioning of the market, supply, demand, price. Production and costs in the enterprise, the theory of short- term and long-term production costs, the balance of the company. Money, banking and financial markets, the central bank and commercial banks, financial market products.</p> <p>Exercises: Supply, demand, elasticity, fixed costs, variable costs, minimum output, interest rates and borrowing costs.</p>														
Prerequisites and co-requisites															
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 398 794 427">Subject passing criteria</th> <th data-bbox="799 398 1137 427">Passing threshold</th> <th data-bbox="1142 398 1481 427">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 434 794 463">Market analyse</td> <td data-bbox="799 434 1137 463">60.0%</td> <td data-bbox="1142 434 1481 463">30.0%</td> </tr> <tr> <td data-bbox="456 470 794 499">Midterm colloquium</td> <td data-bbox="799 470 1137 499">60.0%</td> <td data-bbox="1142 470 1481 499">35.0%</td> </tr> <tr> <td data-bbox="456 506 794 535">Colloquium exercises</td> <td data-bbox="799 506 1137 535">60.0%</td> <td data-bbox="1142 506 1481 535">35.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Market analyse	60.0%	30.0%	Midterm colloquium	60.0%	35.0%	Colloquium exercises	60.0%	35.0%
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Midterm colloquium	60.0%	35.0%													
Colloquium exercises	60.0%	35.0%													
Recommended reading	Basic literature	1. James D. Gwartney: Understanding Economics, Thomson Learning , May 2012.													
	Supplementary literature	1. Bob Frank: Principles of Economic, McGraw-Hill													
	eResources addresses														
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. Explain the task of economics, 2. Explain what economists understand the concepts: scarcity, good availability, allocation. 3. Characterize the roundabout circulation in the economy. 4. Formulate arguments showing that the competitive price is determined at the point of equilibrium at the intersection of supply and demand. 5. Describe the role (the essence) of money in the economy. 6. Define the role of banks. What is the function of obligatory reserves? 7. Explain the concepts of fixed costs, variable costs, average cost, opportunity cost. 														
Work placement	Not applicable														