GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Fundamentals of Economics, PG_00056494		
Field of study	Management and Production Engineering		
Date of commencement of studies	October 2022	Academic year of realisation of subject	2022/2023
Education level	first-cycle studies	Subject group	Humanistic-social subject group
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	1.0
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	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	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	1.0	9.0	25

Subject objectives

It is assumed that the student, after completing the course of economics, will understand and correctly use the basic categories and understand the phenomena in the field of economics discussed during the lecture.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U11] is able to identify and formulate simple engineering tasks related to the diagnostics of the technical condition of machines and devices using appropriate methods, techniques and tools	He can analyze, apply performance, safety, environmental, economic and legal criteria - when analyzing design solutions	[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 [SU5] Assessment of ability to present the results of task
[K6_K01] feels the need for self-realization by learning throughout life, is looking for modern and innovative solutions in their actions, is able to think creatively and act in an entrepreneurial way	He understands the need for lifelong learning, primarily in order to improve his professional and personal competences, has the ability to work in a group, self-education and the ability to be interested in the issues of the economic dimension of engineering projects.	[SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills
[K6_W12] has detailed, theoretically founded knowledge of methods and techniques used in production quality control processes, statistical process control, modern techniques and measurement systems in quality assurance and information techniques in production systems	Can use basic theoretical knowledge and make a preliminary economic analysis of engineering activities, has knowledge in the field of intellectual property protection, creation and development of entrepreneurship, knows the basic principles of occupational health and safety	[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects

Subject contents

1. Basic concepts to economics. 2. Types and functioning of economic entities in the micro and macro environment. 3. The market and its characteristics. 4. The theory of demand, supply and market equilibrium. 5. The theory of consumer choice. 6. Economics of the enterprise, decisions of producers. 7. The circular movement of money. 8. Account of the national income. 9. Money and banking system. 10. Fiscal and monetary policy. 11. Labor market, definition and types of unemployment. 12. The concept and types of inflation. 13. Schools in Economics. 14. Noble Economics 1969-2021. 15. Behavioral economics, economics of experience, doughnut economics (Kate Raworth)

Prerequisites and co-requisites	not applicable		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		60.0%	70.0%
		60.0%	30.0%
Recommended reading	Basic literature	L. J. Jasiński, Nobel z ekonomii 1969-2011. Poglądy laureatów w zarysie. Key Text, Warszawa 2012. P.A. Samuelson, W. D. Nordhaus, Ekonomia, Tom I i II, PWN 2004 (lub wznowione). D. Begg, S. Fischer, R. Dornbusch, Mikroekonomia, PWE, Warszawa 2003. D. Begg, S. Fischer, R. Dornbusch, Makroekonomia, PWE, Warszawa 2003. H. Rogall Ekonomia zrównoważonego rozwoju. Teoria i praktyka, Zysk i Ska. Poznań 2010. A. Stabryła, Zarządzanie strategiczne w teorii i praktyce firmy, PWN, Warszawa 2000. N. G. Mankiw, M. P. Taylor, Mikroekonomia, PWE, Warszawa 2015. R. Milewski, E. Kwiatkowski, Podstawy ekonomii, PWN, Warszawa 2005.	
	Supplementary literature	proposed on an ongoing basis by the lecturer	
	eResources addresses	Adresy na platformie eNauczanie: Podstawy ekonomii, W, przedmiot humanistyczno-społeczny (wybieralny), sem. 01, zimowy 22/23 - Moodle ID: 25758 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=25758	
Example issues/ example questions/ tasks being completed	microeconomics, macroeconomics, theory of consumer choice, producer and its goals, costs, profits, types of competition, types of enterprises, real and nominal value, market economy, factors of production, entrepreneurship, needs, goods, private property, appreciation and depreciation of money, benefits and disadvantages of scale, absolute vs comparative advantage, development vs economic growth, business cycle, money and its functions, monetary and fiscal policy, labor market and unemployment, inflation, major schools in economics, behavioral economics, doughnut economics, green economy		
Work placement	Not applicable		

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