



Subject card

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|---|---|---|--------------------|-------------------------------------|--|--|-----|
| Subject name and code | Microeconomics, PG_00040557 | | | | | | |
| Field of study | Engineering Management | | | | | | |
| Date of commencement of studies | October 2022 | Academic year of realisation of subject | | | | 2022/2023 | |
| Education level | first-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 | 2 | ECTS credits | | | | 5.0 | |
| Learning profile | general academic profile | Assessment form | | | | exam | |
| Conducting unit | Faculty of Management and Economics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Aniela Mikulska | | | | |
| | Teachers | | dr Aniela Mikulska | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 30.0 | 0.0 | 0.0 | 0.0 | 60 |
| | E-learning hours included: 0.0 | | | | | | |
| Mikroek. ZI - lato 2023 - Moodle ID: 24517 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=24517 | | | | | | | |
| 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 | 60 | | 8.0 | | 57.0 | 125 |
| Subject objectives | Understanding of prices mechanism on a differently organized markets. | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | [K6_U08] analyses engineering and managerial solutions in decision-making processes, taking into account pro-quality and pro-environmental aspects, as well as safety of work processes | Student calculates and interprets the productivity of factors of production, the elasticity of demand and financial performance of the company. | | | [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools | | |
| | [K6_K03] initiates creative and entrepreneurial activities in the organization using the knowledge of engineering management | Student calculates and interprets the productivity of factors of production, the elasticity of demand and financial performance of the company. | | | [SK5] Assessment of ability to solve problems that arise in practice | | |
| | [K6_W03] has a basic knowledge of the relationship both within the organisation and between the organisation and the environment | Student analyses the influence of non-price determinants of demand and supply on the equilibrium market price. | | | [SW1] Assessment of factual knowledge | | |
| | [K6_W01] has a basic knowledge of the nature of social sciences necessary to define basic concepts of economics and management | Student defines the main economic variables and distinguishes them. | | | [SW1] Assessment of factual knowledge | | |
| | [K6_U01] interprets and analyses the phenomena and processes taking place in the economy and organisation using basic theoretical knowledge of economics, management and science | Student is able to describe and interpret microeconomic phenomena using known tools | | | [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools | | |

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| Subject contents | Introduction to microeconomics - consumption, production, market. Measurement of economic variables - stocks, flows and parametric variables. Consumption demand - preferences and budget constraints. Elements of the theory of consumer behavior - indifference curve analysis. Demand reaction to changes in prices - price demand curve and price elasticity of demand. Demand reaction to changes in complementary and substitution goods' prices. Demand reaction to changes in income - Engel curve and income elasticity of demand. The theory of cost production and supply. The model of perfect competitive market. The model of pure monopolistic market. The model of monopolistic competitive market. The model of oligopolistic market. Production and demand for economic resources. | | |
| Prerequisites and co-requisites | Mathematics | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | 2 midterm colloquiums | 60.0% | 50.0% |
| | Written exam | 60.0% | 50.0% |
| Recommended reading | Basic literature | N. Gregory Mankiw, Mark P. Taylor, Microeconomics, PWE 2015 and newer edition; Ossowski Jerzy Cz. Microeconomics, Coursebook on-line, Gdansk University of Technology 2021; P. Krugman, R. Wells, Microeconomics, PWN 2020; | |
| | Supplementary literature | Varian H.R., Microeconomics, PWN, Warszawa 2013 and newer edition; Economic psychology, Tomasz Zaleskiewicz, 2013, Wydawnictwo Naukowe PWN | |
| | eResources addresses | Podstawowe https://openstax.org/details/books/mikroekonomia-podstawy - open online resources | |
| Example issues/ example questions/ tasks being completed | <p>1.1. <i>Ceteris paribus</i>, decrease in meat price results in (<i>decrease/increase</i>) in demand for fish, because fish is good in relation to meat. Therefore, the curve of demand for fish will shift to the (<i>right/left</i>) and as the result the equilibrium price of fish will (<i>decrease/increase</i>).</p> <p>1.2 Show the situation on the fish market, described above, on the graph 3.</p> <p>2.1 <i>Ceteris paribus</i>, decrease in oil price results (<i>decrease/increase</i>) in gasoline cost of production and the gasoline supply (<i>decrease/increase</i>). Therefore, the curve of gasoline supply will shift to the (<i>right/left</i>) and as the result the equilibrium price of gasoline will (<i>decrease/increase</i>).</p> <p>2.2. Show the situation on gasoline market, described above, on the graph 4.</p> | | |
| Work placement | Not applicable | | |