University of Gdańsk

Subject card

Subject name and code	Microeconomics, PG_00178427		
Field of study	Informatics and Econometrics, Management		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2025/2026
Education level	Bachelor's 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	part-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	academic	Assessment form	exam
Conducting unit	Department of Strategic Development and Quality Science -> Faculty of Management -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Ewa Malinowska	
	Teachers	dr Małgorzata Szymańska-Brałkowska dr Paulina Nogal dr Bartosz Nowak dr Marek Kołatka dr Adrian Lis	

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	16.0	0.0	0.0	0.0	24
	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	24	1.0	100.0	125

Subject objectives	The aim of the course is to familiarize students with the principles of making economic choices, the behavior of market participants: consumers and producers and various types of market competition, as well as the behavior of entities in the production factor markets.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[IiEL3_U01] The student can analyze and interpret social and economic processes and phenomena using knowledge and econometrics, informatics or statistics tools from management and quality sciences, economics and finance.	The student is able to compares how companies behave in markets and how the decisions of customers and producers affect their activities.	[SU4] test/exam - oral or written
	[IiEL3_W02] To an advanced degree, the student knows and understands selected theoretical and practical issues in informatics, statistics or econometrics necessary for understanding economic and social phenomena.	The student knows and understands the relationship between the consumer and the producer on the market under normal conditions, on the market of perfect and imperfect competition, and the tasks of antitrust offices in the protection of competition on markets and leveling the social costs of monopolies and oligopolies.	[SW4] test/exam - oral or written
	[IiEL3_U02] Students can select or construct econometrics, informatics or statistics tools and apply them to describe and solve economic and social problems.	The student can interpret definitions such as monopoly, oligopoly, competition, demand, supply, etc., and identifies and interprets basic microeconomic phenomena based on examples of functioning enterprises.	[SU4] test/exam - oral or written
	[IiEL3_W01] The student knows and understands to an advanced degree the nature and evolution of theories in management, quality sciences, economics, and finance, along with their place in the social sciences system —especially in applying informatics or statistics tools.	The student knows and understands basic microeconomic phenomena: demand, supply, consumer and producer behavior on the market, the functioning of perfect and imperfect competition.	[SW4] test/exam - oral or written
	[ZARZL3_U01] The student can analyze and interpret social and economic processes and phenomena in the context of business decision-making, using knowledge and tools from management and quality sciences, economics and finance.	The student can compare how companies behave in markets and how the decisions of customers and producers affect their activities.	[SU4] test/exam - oral or written
	[ZARZL3_U02] The student can identify problems related to the organization's functioning, its processes, and its relations with the environment and propose adequate solutions.	The student can nterpret definitions such as monopoly, oligopoly, competition, demand, supply, etc., and identifies and interprets basic microeconomic phenomena based on examples of functioning enterprises.	[SU4] test/exam - oral or written
	[ZARZL3_W01] The student has advanced knowledge and understanding of the nature and evolution of management, quality sciences, economics, and finance theories, along with their place in the social sciences system — particularly their relevance to business decision-making.	The student knows and understands basic microeconomic phenomena: demand, supply, consumer and producer behavior on the market, the functioning of perfect and imperfect competition.	[SW4] test/exam - oral or written
	[ZARZL3_W02] To an advanced degree, the student knows and understands the essence and functioning of different types of organizations, their articulations, functional areas and processes, and their connections with the environment.	The student knows and understands the relationship between the consumer and the producer on the market under normal conditions, on the market of perfect and imperfect competition, and the tasks of antitrust offices in the protection of competition on markets and leveling the social costs of monopolies and oligopolies.	[SW4] test/exam - oral or written

Subject contents	Lecture: 1. Economics as a science - main economic trends 2. Market, demand, supply, price 3. Consumer choice theory 4. Producer choice theory 5. Perfect competition 6. Imperfect competition 7. Basics of the theory of division. The market of production factors: labor, land and capital Exercises: 1. Introduction to economic issues, normative and positive economics, factors of production 2. Resource constraints, opportunity cost, production possibilities frontier, concept and elements of the market, state intervention and market mechanisms 3. The law of demand, demand curve, price and non-price determinants of demand, the law of supply, supply curve, price and non-price determinants of supply 4. Market equilibrium, market surplus and shortage, price elasticity of demand and supply in the short and long run 5. Indifference curve, budget constraint line 6. The concept of utility, total and marginal utility, demand curve of an individual consumer 7. Short-run theory of production (production function, variable and fixed factors of production, total product, average and marginal product), long-run theory of production (scale effects, choice of production technique to maximize profit, isoquants, marginal substitution rate, isocosts) 8. Production costs (accounting and economic costs, balance sheet and economic profit, fixed costs, variable costs, average costs, marginal costs, long-term costs) 9. Price, value, income, economic profit, normal and loss, total, average and marginal revenue 10. Producer equilibrium in the short term: break-even point, rational loss limit, short-term supply curve, industry supply curve, producer equilibrium in the long term, optimal production structure: transformation curve, marginal rate of transformation, line of equal revenue 11. Monopoly equilibrium 12. Monopolistic competition 13. Circular flow of income and wealth, differentiation of income and wealth and its measures 14. Land market and physical capital market 15. Financial capital market
Prerequisites and co-requisites	
Assessment methods and criteria	

Subject passing criteria	Passing threshold	Percentage of the final grade
written exam	51.0%	100.0%

Recommended reading		
	Basic literature	1. Milewski R., Kwiatkowski E. (red.), Podstawy ekonomii, Wydawnictwo naukowe PWN, Wydanie IV, Warszawa 2018 (rozdziały: 1-2 oraz 4-8). 2. Samuelson P. A., Nordhaus W. D., Ekonomia, Rebis, Wydanie III, Poznań 2017 (rozdziały: 1-15). 3. Kwiatkowski E., Kucharski L., Podstawy ekonomii ćwiczenia i zadania, Wydawnictwo Naukowe PWN, Warszawa 2018 (rozdziały: 1-6). 4. Fisher S., Gianluigi V., Dombusch R., Begg D., Mikroekonomia, PWE, Warszawa 2013 (rozdziały:1-11). 5. Smith P., Begg D., Zbiór zadań, PWE, Warszawa 2001 (rozdziały: 1-3, 5-12).
	Supplementary literature	1. McKenzie, R.B., Economics, Houghton Mifflin School, Boston, USA 1986 (rozdz. 22). 2. Pindyck R. S., Rubinfeld D. L., Microeconomics, 8th Edition, Pearson, New Jersey, USA 2013. 3. Mankiw G. N., Principles of Microeconomics, 5th Edition, Cengage Learning, Mason, USA 2008. 4. Jehle G. A., Reny P. J., Advanced Microeconomic Theory, 3rd Edition, Pearson Education Limited,Essex, England 2011 5. Krugman P., Wells R., Mikroekonomia, PWN, Warszawa 2012 (część VI, rozdział 13). 6. Konat G., Smuga T., Paradoksy ekonomii, PWN, Warszawa 2022. 7. Melitz M. J., Obstfeld M., Krugman P. R., Ekonomia międzynarodowa, tom 2, PWN, Warszawa 2018 (rozdział 15). 8. Greenlaw A.A., Shapiro D., Karpa W., Maszczyk P. i inni, Mikroekonomia podstawy, podręcznik do pobrania: https://openstax.org/details/books/mikroekonomia-podstawy 9. Nogal P., Racjonalność ekonomiczna w kontekście teorii użyteczności, Studia Ekonomiczne. Zeszyty Naukowe Uniwersytetu Ekonomicznego w Katowicach, 2014, nr 180, s. 154-162.
	eResources addresses	
Example issues/ example questions/ tasks being completed	-	
Work placement	Not applicable	

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