University of Gdańsk

Subject card

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| Subject name and code | Microeconomics, PG_00156263 | | | | | |
| Field of study | Information Science and Econometrics | | | | | |
| Date of commencement of studies | October 2024 | | Academic year of realisation of subject | | 2024/2025 | |
| Education level | undergraduate studies | | Subject group | | Obligatory subject group 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 | academic | | Assessment form | | | |
| Conducting unit | Katedra Strategicznego Rozwoju -> Faculty of Management | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Ewa Malinowska | | | | |
| | Teachers | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 30.0 | 0.0 | 0.0 | 0.0 | 45 |
| | 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 | 45 | 20.0 | 60.0 | 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_W01] The student has advanced knowledge of the place of social sciences in the system of sciences, their nature, methodology and connections with other sciences. | The student has advanced knowledge of the place of social sciences, including microeconomics, in the system of sciences, their nature, methodology and connections with other sciences. | [SW4] test/exam - oral or written<br>[SW1] oral statement/ conversation/discussion |
| [IiEL3_K01] The student understands the need to constantly supplement and deepen acquired knowledge; is open to new ideas and teaching methods. | The student has a need to continually supplement and deepen acquired knowledge, including in the IT industry. is open to new ideas and teaching methods. | [SK1] oral statement/conversation/ discussion |
| [IiEL3_W03] The student has advanced knowledge of man as an entity that creates economic structures and institutions. | The student has advanced knowledge of man as an entity creating economic structures and institutions, including in the IT industry. | [SW1] oral statement/ conversation/discussion |
| [IiEL3_U01] The student can comprehensibly, orally and in writing, present and justify advanced economic theories and apply them to explain the functioning of the national economy and its elements. Understands and can explain the content of communications of economic institutions, articles published in the economic press and scientific journals. | The student is able to present and justify advanced economic theories in an understandable way, both orally and in writing, and apply them to explain the functioning of the national economy and its components, , including in the IT industry. | [SU1] oral statement/conversation/ discussion<br>[SU4] test/exam - oral or written |

**Subject contents**

Lecture:1. Economics as a science - main economic trends2. Market, demand, supply, price3. Theory of consumer choice4. Theory of producer choice5. Perfect competition6. Imperfect competition7. Basics of the theory of distribution. The market of production factors: labor, land and capitalExercises:1. Introduction to economics, normative and positive economics, factors of production2. Resource constraints, opportunity cost, production possibilities frontier, concept and elements of the market, state intervention and market mechanisms3. 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 supply4. Market equilibrium, market surplus and shortage, price elasticity of demand and supply in the short and long run5. Indifference curve, budget constraint line6. The concept of utility, total and marginal utility, demand curve of an individual consumer7. 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 rate of substitution, 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 revenue10. 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 revenue11. Monopoly equilibrium12. Monopolistic competition13. Circular flow of income and wealth, differentiation of income and wealth and its measures14. Land market and physical capital market15. Financial capital market

**Prerequisites and co-requisites**

None

**Assessment methods and criteria**

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| active participation in exercises | 70.0% | 30.0% |
| written test | 51.0% | 70.0% |

**Recommended reading**

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| Basic literature | Milewski R., Kwiatkowski E. (red.), Podstawy ekonomii, Wydawnictwo naukowe PWN, Wydanie IV, Warszawa 2018 (rozdziały: 1-2 oraz 4-8)<br><br>Samuelson P. A., Nordhaus W. D., Ekonomia, Rebis, Wydanie III, Poznań 2017 (rozdziały: 1-15)<br><br>Kwiatkowski E., Kucharski L., Podstawy ekonomii ćwiczenia i zadania, Wydawnictwo Naukowe PWN, Warszawa 2018 (rozdziały:1-6)<br><br>Fisher S., Gianluigi V., Dombusch R., Begg D., Mikroekonomia, PWE, Warszawa 2013 (rozdziały:1-11)<br><br>Smith P., Begg D., Zbiór zadań, PWE, Warszawa 2001 (rozdziały:1-3, 5-12) |

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| | Supplementary literature | McKenzie, R.B., Economics, Houghton Mifflin School, Boston, USA 1986 (rozdz. 22)<br><br>Pindyck R. S., Rubinfeld D. L., Microeconomics, 8th Edition, Pearson, New Jersey, USA 2013<br><br>Mankiw G. N., Principles of Microeconomics, 5th Edition, Cengage Learning, Mason, USA 2008<br><br>Jehle G. A., Reny P. J., Advanced Microeconomic Theory, 3rd Edition, Pearson Education Limited,Essex, England 2011<br><br>Krugman P., Wells R., Mikroekonomia, PWN, Warszawa 2012 (cześć VI, rozdział 13)<br><br>Konat G., Smuga T., Paradoksy ekonomii, PWN, Warszawa 2022<br><br>Melitz M. J., Obstfeld M., Krugman P. R., Ekonomia międzynarodowa, tom 2, PWN, Warszawa 2018 (rozdział 15)<br><br>Greenlaw A.A., Shapiro D., Karpa W., Maszczyk P. i inni, Mikroekonomia podstawy, podręcznik do pobrania: https://openstax.org/details/books/mikroekonomia-podstawy<br><br>Nogal P., Racjonalność ekonomiczna w kontekście teorii użyteczności, Studia Ekonomiczne. Zeszyty Naukowe Uniwersytetu Ekonomicznego w Katowicach, 2014, nr 180, s.154-162. |
| | eResources addresses | Adresy na platformie eNauczanie: |
| Example issues/ example questions/ tasks being completed | For example: characteristics of demand, characteristics of supply, what is the opportunity cost, what is the producer's market - its features, characteristics of perfect competition, characteristics of monopoly, characteristics of the circular flow of income and wealth | |
| Work placement | Not applicable | |

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