



Subject card

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|---|--|---|-------------------------------------|------------|---|---------|-----|
| Subject name and code | LOGIC, PG_00067167 | | | | | | |
| Field of study | Economics | | | | | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | | | 2024/2025 | | |
| Education level | first-cycle studies | Subject group | | | Obligatory subject group in the field of study 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 | | | 4.0 | | |
| Learning profile | general academic profile | Assessment form | | | assessment | | |
| Conducting unit | Department of Philosophy and Science Methodology -> Faculty of Management and Economics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. Andrzej Lisak | | | | | |
| | Teachers | dr hab. Andrzej Lisak | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 15.0 | 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 | 5.0 | | 50.0 | 100 | |
| Subject objectives | Formulates solutions to complex problems using basic laws and techniques of logic. | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | [K6_U04] Develops logical solutions to complex or unstructured problems in processes conducted under conditions of uncertainty | selects optimal decision variants using basic logical operations: classifying, defining and reasoning | | | [SU3] Assessment of ability to use knowledge gained from the subject | | |
| | [K6_W02] Demonstrates advanced knowledge of methods and techniques related to the field of study in economic analytics to explain complex problems. | analyzes any theorems in terms of their logical and argumentative correctness | | | [SW1] Assessment of factual knowledge | | |
| Subject contents | What is logic? Logic and language. Functions of language. logic and meaning. Name and concept. Definitions and division. Propositions and judgments and their forms. Sentential calculus. Rules of sentential calculus. Predicate calculus. Basic notions of set theory. Syllogistic logic. Deductive, reductive and inductive reasoning. The meaning of logic for solving scientific questions. Logic in economics. Logic and rhetoric. Discussions of chosen logical dilemmas and solving problems. | | | | | | |
| Prerequisites and co-requisites | | | | | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | | | Percentage of the final grade | | |
| | Oral exam | 60.0% | | | 65.0% | | |
| | Presenting chosen subjects | 100.0% | | | 20.0% | | |
| | Homeworks | 60.0% | | | 15.0% | | |

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| Recommended reading | Basic literature | K. Ajdukiewicz, Zarys logiki. PZWS, Warszawa, 1957; L. Borkowski, Elementy logiki formalnej. PWN, Warszawa, 1974; B. Stanosz, Wprowadzenie do logiki formalnej. PWN, Warszawa, 1985; Z. Ziemiński, Logika praktyczna. PWN, Warszawa, 1998. |
| | Supplementary literature | Mała encyklopedia logiki, Wrocław. Warszawa, Kraków, Ossolineum, 1970; Ch. Perelman, Retoryka a sztuka argumentacji. PWN, Warszawa, 2003. |
| | eResources addresses | Adresy na platformie eNauczanie: |
| Example issues/ example questions/ tasks being completed | Examine given sentences and give its conclusion | |
| Work placement | Not applicable | |

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