



Subject card

Subject name and code	LOGIC, PG_00058394							
Field of study	Economics, Economic Analytics							
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024			
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 Social Sciences and Philosophy -> 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] formulates logical solutions to complex or unstructured problems		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 comprehensive preparation in the field of methods, techniques for formulating and solving 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%		
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 eNauzanie: Logika (E I STAC) - Moodle ID: 34102 https://enauzanie.pg.edu.pl/moodle/course/view.php?id=34102
Example issues/ example questions/ tasks being completed	Examine given sentences and give its conclusion	
Work placement	Not applicable	