GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	PHILOSOPHICAL FOUNDATIONS OF CRITICAL THINKING, PG_00070709		
Field of study	Engineering Management		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study Humanistic-social subject group
Mode of study	Part-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	5.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Philosophy and Science Methodology -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Andrzej Karalus	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	18.0	27.0	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	3.0	77.0	125

Subject objectives

Preparation of students to independently and logically analyze problems and formulate well-reasoned positions based on knowledge of logic, philosophy, and ethics, as well as the development of attitudes related to responsible and critical decision-making in the socio-economic context

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K02] is prepared to make competent and ethical decisions to create and maintain economic, social, and environmental values, demonstrating entrepreneurial actions.	is able to use tools of logic and philosophy to problematize socio-economic issues and to present arguments clearly and effectively in discussions and debates	[SK5] Assessment of ability to solve problems that arise in practice
[K6_U02] communicates effectively with others by preparing presentations that use terminology specific to the field of engineering management, and by evaluating diverse opinions during discussions and debates.	is prepared to ethically evaluate social and economic phenomena and to make reflective and responsible decisions in the course of collaboration and group discussions	[SU1] Assessment of task fulfilment
[K6_W07] knows and understands advanced methods for analyzing the management process in technical, legal, economic, financial, and social contexts.	knows and understands the basic concepts of logic, philosophy, and ethics and is able to explain their significance for critical thinking in the context of social and economic phenomena	[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects

Subject contents	Course content – lecture 1. Foundations of Logic and Its Significance 2. Concepts, Definitions, and Classifications in Logic 3. Logical Propositions and Propositional Logic 4. Predicate Logic and Elements of Set Theory 5. Logical Reasoning and Problem Solving 6. Foundations of Social and Political Philosophy 7. Classical Concepts of the State and the Social Contract 8. Main Currents of Political Thought: Liberalism, Conservatism, and the Left 9. Contemporary Theories of Justice and Community 10. The Individual, Society, and Power in Contemporary Philosophical Reflection 11. Foundations of Ethics and Its Key Concepts 12. Classical Ethical Theories 13. Ethics and Religion, and Morality in Psychological and Sociological Perspectives 14. Bioethics and Applied Ethics 15. Ethics in Public Life, Science, and the Economy Course content – exercises 1. Foundations of Logic and Its Significance 2. Concepts, Definitions, and Classifications in Logic 3. Logical Propositions and Propositional Logic 4. Predicate Logic and Elements of Set Theory 5. Logical Reasoning and Problem Solving 6. Foundations of Social and Political Philosophy 7. Classical Concepts of the State and the Social Contract 8. Main Currents of Political Thought: Liberalism, Conservatism, and the Left 9. Contemporary Theories of Justice and Community 10. The Individual, Society, and Power in Contemporary Philosophical Reflection 11. Foundations of Ethics and Its Key Concepts 12. Classical Ethical Theories 13. Ethics and Religion, and Morality in Psychological and Sociological Perspectives 14. Bioethics and Applied Ethics 15. Ethics in Public Life, Science, and the Economy
Prerequisites and co-requisites	
Assessment methods and criteria	

Subject passing criteria	Passing threshold	Percentage of the final grade
Written test	60.0%	25.0%
text exegesis	60.0%	20.0%
Oxford-style debate	60.0%	15.0%
Moderated discussion	60.0%	15.0%
Oral examination	60.0%	25.0%

Recommended reading	Basic literature	1. Przewodnik po współczesnej filozofii politycznej, pod red. Roberta E. Goodina i Filipa Petita, Warszawa 2002, Książka i Wiedza. 2. K. Ajdukiewicz, Zarys logiki. PZWS, Warszawa, 1957.
	Supplementary literature	1. Alasdair MacIntyre, Krótka historia etyki, PWN, Warszawa, 2000; 2. Przewodnik po etyce, pod red. Petera Singera, Książka Wiedza,Warszawa, 2002. 3. Włodzimierz Tyburski, Ryszard Wiśniewski, Andrzej Wachowiak, Historia filozofii i etyki do współczesności: źródła i komentarze, TNOiK, Toruń, 2002.
	eResources addresses	
Example issues/ example questions/ tasks being completed	• Examine given sentences and give its conclusion • What is the function of the social contract according to Hobbes?; • What is rationalism in epistemology? • Basic assumptions of conservatism; • What is alienation?; • Why toleration is so important for liberalism?; • Elucidate the concept of sustainable development; • What is utilitarianism?	
Practical activites within the subject	Not applicable	

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