

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject (-)		Code 1010324261011156193
Field of study Electrical Engineering	Profile of study (general academic, practical) general academic	Year /Semester 3 / 6
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time,part-time) part-time	
No. of hours Lecture: 30 Classes: - Laboratory: - Project/seminars: -		No. of credits 4
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences		ECTS distribution (number and %) 4 100%
Responsible for subject / lecturer: dr hab. Edward Niesyty, prof. nadzw. email: Edward.Niesyty@put.poznan.pl tel. 604 264 282 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Knows basic terms of knowledge of thinking, culture and society
2	Skills	Can analyze critically ancient and modern philosophical opinions
3	Social competencies	Can fluently and efficiently communicate in a native language and collaborate responsibly in a team
Assumptions and objectives of the course: To teach understanding of cognitive processes and creating specific notions in scientific area; understanding mechanisms present in an individual and collective living. To teach critical analysis of scientific (and other) texts.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Knows origin, sources, nature and role of philosophy in modern culture and science - [W01] 2. Knows and understands processes, ways and methods of getting knowledge of the world and controversial opinions about them. - [W02] 3. Knows and understands controversies of defining the reality. - [W03] 4. Knows and understands methods of collecting and verifying knowledge in sciences - [W07] 5. Knows and understands argues of human beings and society existence and their history - [W08]		
Skills:		
1. Can analyze critically philosophical, social and scientific (engineers?) statements - [U01] 2. Can create, verify and validate logical scientific hypothesis - [U02] 3. Can analyze critically social and ethical side effects of individual and social activity - [U10]		
Social competencies:		
1. Is able to communicate fluently and efficiently and collaborate responsibly in a team, making use of humanistic heritage of human kind - [K01]		
Assessment methods of study outcomes		
Written final test		

Course description		
<p>1. Essence, origin, subject and functions of philosophy: human being as a philosophical creature looking for a meaning of life and aims of activity. Question of human nature, human life and physical, biological and social reality. Knowledge and motivation of an activity. Philosophy, world-view and ideologies.</p> <p>2. Stages of philosophy development: Main stages of philosophical reflection development. Individual criticism and thought formations.</p> <p>3. Origin and development of science: Origin and sources of mass society and its influence to philosophy.</p> <p>4. Main schools of philosophy: materialism and idealism. Criteria of this division.</p> <p>5. Theory of cognition (gnoseology): A place and a role of knowledge in human activity. Structure of a cognitive process: subject, object, perceiving, thinking, notion. Knowledge and its role in individual and collective activity. Individual and collective knowledge. Collectivization of knowledge.</p> <p>6. Theory of truth and cognitive discourse: Praxis and the wheel of learning. Experiment and theory. Truth: truthfulness of knowledge, criteria of truthfulness. Science. Origin of modern science and its role in modern culture.</p> <p>7. Theory of being (ontology): analysis of cognizable beings. Nature of reality. Matter and form; material unity and formal variety. Individual beings and generic beings. Types of beings.</p> <p>8. Dialectics, processes and ties: Processes ? time and space, casual links. Determinism, indeterminism. Necessity, chance, freedom. Matter and consciousness. Pyramid of entities and development.</p> <p>9. Axiology, ethics and aesthetics: Individual and society. Morality, ethics, professional ethics. Good and evil, the case of responsibility. Beauty and art.</p> <p>10. Basics of philosophical anthropology: Theories of social living. Basics and forms of collective living. Social formation. Ways of production, ways of thinking, culture. Mechanism of social formations development: class struggle, revolution, aims of social development</p> <p>11. Analysis of social institutions: State and nation. Power, politics and ways of governing. Authoritarianism, totalitarianism, democracy. Pathologies of power and social living.</p> <p>12. Chosen currents of modern philosophy: Marxism, Christian philosophy, existentialism, positivism, structuralism.</p>		
Basic bibliography:		
<p>1. K. Ajdukiewicz, Zagadnienia i kierunki filozofii, W-wa 1983</p> <p>2. R. Popkin, A. Stroll, Filozofia, Poznań 1994</p> <p>3. J. Hartman, J. Woleński, Wiedza o etyce, Warszawa 2009</p>		
Additional bibliography:		
<p>1. T. Kuhn, Struktura rewolucji naukowych, Warszawa 2001</p> <p>2. A. Whitehead, Nauka a świat współczesny, Warszawa 1988</p> <p>3. J. Such, M. Szcześniak, Filozofia nauki, Poznań 1997</p>		
Result of average student's workload		
Activity	Time (working hours)	
1. Lectures	30	
2. Preparation for lectures and own learning	30	
3. Analysis of chosen literature and problems	30	
4. Consultations	4	
Student's workload		
Source of workload	hours	ECTS
Total workload	94	4
Contact hours	34	2
Practical activities	0	0