

FACULTY OF ELECTRICAL  
ENGINEERING**SUBJECT CARD**

Name in Polish: **Filozofia**  
 Name in English: **Philosophy**  
 Main field of study (if applicable): **Electrical Engineering**  
 Specialization (if applicable):  
 Level and form of studies: **1st level, part-time**  
 Kind of subject: **optional / university-wide**  
 Subject code: **FLR052012**  
 Group of courses: **NO**

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU):	10				
Number of hours of total student workload (CNPS):	30				
Form of crediting:	crediting with grade				
For group of courses mark (X) final course:					
Number of ECTS points:	1				
including number of ECTS points for practical (P) classes :					
including number of ECTS points for direct teacher-student contact (BK) classes:	0.70				

**PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**

1. Humanistic knowledge at the level of secondary education.

**SUBJECT OBJECTIVES**

- C1. To acquaint students with specificity of philosophical reflection with particular emphasis on methods of reasoning.  
 C2. Systematize and deepen the knowledge of the basic methods of inference that regulate and organize our knowledge.  
 C3. Performance considerations of engineer's activity and to present the issue of social responsibility in science and technology.

**SUBJECT LEARNING OUTCOMES***relating to knowledge:*

- PEU\_W01 The student gains knowledge of the basic methods of inference (deduction, induction and abduction).  
 PEU\_W02 The student has knowledge that is essential to understanding and interpreting social and philosophical considerations of engineer's activity.

*relating to skills:**relating to social competences:*

- PEU\_K01 The student is aware of the importance of understanding non-technical aspects and of engineer's activity, its consequences and responsibility for undertaken decisions.

**PROGRAMME CONTENT**

Form of classes - lecture		Number of hours:
Lec 1	The main issues and trends of philosophy	1
Lec 2	The similarities and differences between philosophy and religion	1
Lec 3	The similarities and differences between philosophy and science	1
Lec 4	The basic assumptions of epistemology	1
Lec 5	The basic assumptions of ontology	1
Lec 6	The basic assumptions of ethics	1
Lec 7	The social philosophy	1
Lec 8	The philosophy of science and technology	1
Lec 9	The social responsibility of science and technology	1
Lec 10	The social and philosophical considerations of engineer's activity	1
Total hours:		<b>10</b>

**TEACHING TOOLS USED**

- N1. Multimedia presentation
- N2. Lecture
- N3. Interactive lecture

**EVALUATION OF SUBJECT LEARNING OUTCOMES ACHIEVEMENT**

<b>Evaluation</b> <i>F – forming (during semester)</i> <i>P – concluding (at semester end)</i>	<b>Educational effect number</b>	<b>Way of evaluating educational effect achievement</b>
F1(w)	PEU_W01 PEU_W02 PEU_K01	Passing test, active participation in lectures
P(w)	P=F1	

**PRIMARY AND SECONDARY LITERATURE****PRIMARY LITERATURE:**

- [1] S. Blackburn, Oksfordzki słownik filozoficzny, Warszawa 2004;
- [2] T. Buksiński, Publiczne sfery i religie, Poznań 2011,
- [3] A. Chalmers, Czym jest to, co zwiemy nauką, Wrocław 1997;
- [4] R. M. Chisholm, Teoria poznania, 1994;
- [5] Ch. Frankfort- Nachmias, D. Nachmias, Metody badawcze w naukach społecznych, Poznań 2001;
- [6] A. Grobler, Metodologia nauk, Kraków 2004;
- [7] M. Heidegger, Budować mieszkać myśleć, Warszawa 1977;
- [8] M. Heller, Filozofia przyrody, Kraków 2005;
- [9] T. Kuhn, Dwa bieguny, Warszawa 1985;
- [10] B. Latour, Polityka natury, Warszawa 2009;
- [11] E. Martens, H. Schnädelbach, Filozofia. Podstawowe pytania, Warszawa 1995;
- [12] K.R. Popper, Wiedza obiektywna, Warszawa 1992;
- [13] J. Woleński, Epistemologia, Warszawa 2005;
- [14] M. Tempczyk, Ontologia świata przyrody, Kraków 2005.

**SECONDARY LITERATURE:**

- [1] A. Anzenbacher, Wprowadzenie do filozofii, Kraków 2000;
- [2] R. Goodin, P. Pettit, Przewodnik po współczesnej filozofii politycznej;
- [3] B. Depré, 50 teorii filozofii, które powinieneś znać, Warszawa 2008.

**SUBJECT SUPERVISOR**

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