

FACULTY OF ELECTRICAL
ENGINEERING**SUBJECT CARD**

Name in Polish: **Wynalazki i patenty**
 Name in English: **Inventions and patents**
 Main field of study (if applicable): **Electrical Engineering**
 Specialization (if applicable): **Control in Electrical Power Engineering**
 Level and form of studies: **2nd level, full-time**
 Kind of subject: **optional / university-wide**
 Subject code: **PRR041232**
 Group of courses: **NO**

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU):	15				
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. Basic knowledge of legal concepts.
2. The ability to thinking independently, searching and analyzing information.
3. The understanding of self-education need and continuous improvement of the knowledge.

SUBJECT OBJECTIVES

- C1. Understanding the concepts of inventions, their classification and characteristics.
 C2. Understanding the principles of patent protection.
 C3. Gaining knowledge about the process of obtaining a patent in the national, regional and international procedure.

SUBJECT EDUCATIONAL EFFECTS*relating to knowledge:*

- PEK_W01 He is able to define the concept of the invention, describe its features and types.
 PEK_W02 He is able to determine what is a patent, characterize its content. scope, duration and limitations.
 PEK_W03 He has knowledge how to grant a patent in the national, regional and international procedures.

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

- PEK_K01 He is able to think creatively.

PROGRAMME CONTENT

Form of classes - lecture		Number of hours:
Lec 1	Introduction. The most important theories of patent protection and the basic sources of patent law at international, EU and national level.	2
Lec 2	The concept of the invention and its features (terms of patentability). Inventions excluded from protection.	2
Lec 3	Types of inventions. The specificity of a biotechnological invention.	2
Lec 4	Patent - content, scope of protection, duration, limitations.	2
Lec 5	The concept of patent author and his rights. License agreements.	2
Lec 6	Patent application in the national, European and international procedure.	2
Lec 7	Patent databases as a source of information. Terms of use of patent databases.	2
Lec 8	Written test.	1
Total hours:		15

TEACHING TOOLS USED

- N1. Traditional lecture.
N2. Multi-media presentation.
N3. Consultations.

EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT

Evaluation <i>F – forming (during semester) P – concluding (at semester end)</i>	Educational effect number	Way of evaluating educational effect achievement
F1(w)	PEK_W01 PEK_W02 PEK_W03	Written test.
P(w)	P=F1	

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

- [1] Kotarba W., Ochrona własności intelektualnej”, Oficyna Wydawnicza Politechniki warszawskiej, Warszawa 2012
[2] „Prawo własności przemysłowej”, Wydawnictwo C.H. Beck 2010
[3] Nowińska E., Promińska U. de Vall M., Prawo własności przemysłowej, Wydawnictwo prawnicze LexisNexis, Warszawa 2008
[4] Grzywińska A., Okoń S., Marki, wynalazki, wzory użytkowe: ochrona własności przemysłowej, Wydawnictwo Helion, Gliwice 2010
[5] Poradnik wynalazcy. Zasady sporządzania dokumentacji zgłoszeń wynalazków i wzorów użytkowych. Urząd Patentowy R.P. www.uprp.gov.pl
[6] Ustawa z dn. 30.06.2000 r. Prawo własności przemysłowej. Dz. U. z 2001 r. nr 49, poz. 508 z późniejszymi zmianami

SECONDARY LITERATURE:

- [1] Nowicka A., Wynalazek, Prawo własności przemysłowej, Wyd. Difin, Warszawa 2005
[2] Zakowska-Henzler H., Wynalazek biotechnologiczny. Przedmiot patentu., Wydawnictwo Naukowe Scholar, Warszawa 2006
[3] de Vall M, Prawo patentowe, Wolters Kluwer, Warszawa 2008
[4] Adamczak A., du Vall M., Ochrona własności intelektualnej, UOTT, Warszawa 2010.

SUBJECT SUPERVISOR

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MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT PRR041232 - Inventions and patents AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Electrical Engineering** AND SPECIALIZATION **Control in Electrical Power Engineering**

Subject educational effect	Correlation between subject educational effect and educational effects defined for main field of study and specialization (if applicable)	Subject objectives	Programme content	Teaching tool number
PEK_W01	K2ETK_W07	C.1	Lec2 Lec3	N.1 N.2 N.3
PEK_W02	K2ETK_W07	C.2	Lec1 Lec4 Lec5	N.1 N.2 N.3
PEK_W03	K2ETK_W07	C.3	Lec6 Lec7	N.1 N.2 N.3
PEK_K01	K2ETK_K03 K2ETK_K05	C.3	Lec1 Lec2 Lec3 Lec4 Lec5 Lec6 Lec7 Lec8	N.1 N.2 N.3