COURSE DESCRIPTION CARD - SYLLABUS

Course name
Intellectual property [S2FT2>WI]

Course

Field of study
Technical Physics

Year/Semester
1/1

Area of study (specialization)
–

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
15

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
15

Number of credit points

2,00

Coordinators

mgr inż. Agnieszka Netter
agnieszka.netter@put.poznan.pl

Lecturers

Prerequisites

The student starting this subject should have knowledge of technical physics. He/she should have the ability to perceive technical problems and solve them. He/she should also understand the necessity to broaden his/her competence and be ready to cooperate in a team. He/she should display qualities such as honesty, responsibility, cognitive curiosity, creativity, personal culture, respect for other people.

Course objective

1. to familiarise the student with the tools and procedures to protect intellectual property objects. 2. to teach the student the practical application of knowledge concerning the protection of intellectual property in the engineer's work, including R&D works . 3. to develop in a student the importance of knowledge of standards and recommendations connected with the protection of intellectual property connected with R&D works. 4. the student is able to solve basic problems related to the application of regulations governing the protection of intellectual property.

Course-related learning outcomes

Knowledge:
1. The student knows and understands the basic concepts and principles of intellectual property

protection.
2.Student is able to use the resources of patent information.
3. he/she has knowledge concerning the preparation of strategies for protection of intellectual property.
4. Student has knowledge indispensable for understanding legal, economic and social aspects of engineering activity and possibilities to apply them in practice in the field of intellectual property.

Skills:
1. Students are able to use knowledge concerning intellectual property in business activity, particularly in the field of technical physics.
2.Student is able to define clearly a technical problem to be solved and to select for it a suitable tool to protect the resulting solutions.
3. Student is able to use patent information and regulations.
4. Student is able to perceive non-technical aspects, including economic and legal ones, when formulating and solving tasks involving technical physics.

Social competences:
1. The student is aware of the responsibility for his/her own work and is ready to work in a team and take responsibility for the joint realisation of the task. He/she is able to name a technical problem, determine the aim of protection, prepare priorities leading to realisation of the aim and prepare a preliminary application docuemnatation aimed at protection of a solution.
2. The student is ready to think and act in an entrepreneurial manner.
3. The student recognises the need to respect intellectual property rights.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

In terms of the methods used to verify the achieved learning outcomes, the following grading thresholds are applied:
50.1-60% - satisfactory;
60.1-70% - satisfactory plus;
70.1-80% - good;
80.1-90% - good plus;
from 90.1% - very good.
The assessment results from individual written work and/or oral response, rewarding the increase in the ability to use the rules.

Programme content

The lecture and project will cover topics related to intellectual property protection and its practical use in the work of a researcher, entrepreneur or creator.

Course topics

The lecture program covers the following topics:
1. what is intellectual property? What is intellectual property and why it should be protected. Types of protection of intellectual property created as a result of works (patents, industrial designs, utility models, know-how, copyright). The legal basis for industrial protection. Owner of property rights.
2 Examination of the state of the art. Demonstration of the absence of barriers to the protection of intellectual property created as a result of works. Analysis of the state of the art - analysis of patent databases, International Patent Classification, keywords.
3. Requirements for patentability, protectability, etc. Protection from disclosure of the essence of the solution.
4. Protection strategy and protection schedule and preparation for industrial property filing Determination of the scope of planned protection and type of protection and possible commercialization.
5. Application documentation - construction and conduct of proceedings. Determination of the essence of the invention, determination of patent claims, protection claims, etc.
6. Infringement and enforcement of patents. Stages of obtaining an exclusive right and procedural costs. Stages of evaluation of a patent application by the Patent Office of the Republic of Poland. Maintenance of industrial property of patent power. Fees for protection.

The programme of project activities includes
1. Identification and formulation of a technical or other problem to be protected by intellectual property, including in the field of technical physics.
2. Analysis of the state of the art in patent and literature databases, including technical physics.
3. Determination of intellectual property rights based on selected examples.
4. Planning of intellectual property protection of the resulting works - preparation of a strategy including commercialisation activities.
5. Preparation of a preliminary description of the patent, utility model, trademark, industrial design documentation for the prepared results.

Teaching methods

Lecture: multimedia presentation, presentation illustrated by literature data, case-study with discussion.
Project activities: familiarisation with the requirements for the protection of intellectual property, interactive preparation of a description of an application for an invention or other right taking into account the legal requirements.

Bibliography

Basic:
Ustawa z dnia 20 lipca 2018 r. - Prawo o szkolnictwie wyższym i nauce (dostęp online w Internetowym Systemie Aktów Prawnych)
2. Ustawa z dnia 30 czerwca 2000 r. Prawo własności przemysłowej (dostęp online w Internetowym Systemie Aktów Prawnych)
3. Ustawa z dnia 4 lutego 1994 r. o prawie autorskim i prawach pokrewnych (dostęp online w Internetowym Systemie Aktów Prawnych)
4. Przepisy Politechniki Poznańskiej dotyczące własności intelektualnej
5. Monika Nowikowska, Magdalena Rutkowska-Sowa, Zofia Zawadzka „Prawo własności intelektualnej” Wolters Kluwer 2018
6. Poradnik wynalazcy. Procedury zgłoszeniowe w systemie krajowym, europejskim, międzynarodowym UPRP 2017
7. 3, 2, 1... Startup! Przewodnik na temat ochrony własności intelektualnej dla startupów UPRP 2024
8. Własność intelektualna dla przedsiębiorcy UPRP 2021

Additional:
. Poradnik dla zgłaszających. Znaki towarowe i wzory przemysłowe UPRP 2024
2. Czym jest własność intelektualna? UPRP 2018
3. Ochrona wynalazków w Polsce UPRP 2024
4. Ochrona wzorów użytkowych w Polsce UPRP 2024
5. Ochrona wzorów przemysłowych w Polsce i w Unii Europejskiej UPRP 2024
6. Chroń swoją własność intelektualną z Urzędem Patentowym RP UPRP 2024
7. Zgłaszanie przedmiotów własności przemysłowej. Przewodnik dla zgłaszających UPRP 2020

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	20	1,00