UNIWERSYTET IM. ADAMA MICKIEWICZA W POZNANIU

Protection of intellectual property

Educational subject description sheet

Basic information

Study programme Chemia (General Chemistry)	**Didactic cycle** 2024/25
Speciality -	**Subject code** 02CENS.11HS.01813.24
Organizational unit Faculty of Chemistry	**Lecture languages** English
Study level First-cycle programme	**Course type** Obligatory
Study form Full-time	**Block** Humanities and social subjects
Education profile General academic	

Subject coordinator	Radosław Mrówczyński
Lecturer	Radosław Mrówczyński

Period	**Activities and hours**	**Number of ECTS points**
Semester 1	• Lecture: 15, Graded credit; including sub-activities: ◦ Synchronous lecture: 15	2

Goals

Code	Goal
C1	Transfer of basic knowledge in the field of protection of intellectual and industrial property rights in the context of the protection of own creativity and the use of third-party solutions for research purposes and industrial.
C2	Instilling thinking about the use of patent information to determine the state of the art.
C3	Transfer of knowledge on the principles of proper use of various sources of critical information their assessment and their comprehensive, lawful use during the performance of works diploma and in future professional work.
C4	Development of intellectual property management skills.

Entry requirements

No prerequisites required.

Subject learning outcomes

Code	Outcomes in terms of	Learning outcomes	Examination methods
Knowledge – Student:			
W1	presents issues in the field of property protection intellectual, knows basic terminology and connections with other scientific disciplines.	CEN_K1_W18	Test
W2	consciously and understandingly uses social aspects of the practical application of the acquired knowledge and skills and associated responsibilities.	CEN_K1_W17	Test
W3	knows the relationships between achievements in the field of chemistry and the possibilities of their use in socio-economic life.	CEN_K1_W17	Test
Skills – Student:			
U1	uses available sources of information,in particular electronic sources (internet patent databases).	CEN_K1_U20	Test
U2	searches, analyzes, evaluates, selects and uses information from patent databases.	CEN_K1_U20	Test
U3	shows activity in independent making activities in the field of intellectual property protection.	CEN_K1_U20	Test
Social competences – Student:			
K1	has an awareness of the importance and understanding of legal matters conditions for the protection of intellectual property in the context of chemical sciences and related responsibilities.	CEN_K1_K05, CEN_K1_K06	Test

Study content

No.	Course content	Subject learning outcomes	Activities
1.	Basic concepts of intellectual property protection and industrial law in Polish and international law.	W1, W3, U2, U3, K1	Lecture, Synchronous lecture
2.	Polish and international systems of intellectual property and rights protections.	W1, W3, U1, U2, U3, K1	Lecture, Synchronous lecture
3.	The essence of intellectual and industrial property protection and its benefits in science and economy.	W1, W2, W3, U1, U2, U3	Lecture, Synchronous lecture
4.	Forms and procedures of industrial property protection -inventions and patents, utility and industrial models, trademarks, geographical indications, topographies.	W1, W2, W3, U2, U3	Lecture, Synchronous lecture
5.	Intellectual property - copyright and related laws.	W1, W2, W3, U1, U2	Lecture, Synchronous lecture
6.	Types and sources of patent information with particular emphasis including patent databases. Search and evaluation of data available in patent databases.	W1, W2, U1, U2, U3	Lecture, Synchronous lecture
7.	Use of patent information in business research, production and trade.	W1, W2, W3, U1, U3, K1	Lecture, Synchronous lecture
8.	Rights and obligations of creators and users works, trading in exclusive rights - purchase and sale of new solutions, license agreements, know-how.	W1, W2, W3, U2, U3, K1	Lecture, Synchronous lecture

Additional information

Activities	Teaching and learning methods and activities
Lecture	Lecture with a multimedia presentation of selected issues, Problem-based lecture, Discussion, Problem-based learning

Activities	Credit conditions
Lecture	Written exam at least 20 test questions (maximum 20 points) Regardless of the number of questions, always answer is scored for 1 point. Grading scale with percentage distribution applied: • very good (very good; 5.0): achieving the assumed learning outcomes by the student minimum level of 92.0% • good plus (+db; 4.5): achievement by the student of the assumed learning outcomes in the field 84.0% - 91.9% • good (good; 4.0): achievement by the student of the assumed learning outcomes in the scope 76.0% - 83.9% • sufficient plus (+dst; 3.5): achieving the assumed learning outcomes by the student in range 68.0% - 75.9% • satisfactory (dst; 3.0): o the student's achievement of the assumed learning outcomes in range 60.0% - 67.9% • unsatisfactory (ndst; 2.0): failure to achieve the expected learning outcomes by the student score below 60.0%

Literature

Obligatory

1. Articles in journals indicated by the lecturer

Calculation of ECTS points

Activities	Activity hours*
Lecture	15
Preparation for classes	15
Reading the indicated literature	15
Preparation for the assessment	15
Student workload	**Hours** 60
Number of ECTS points	**ECTS** 2

* academic hour = 45 minutes

Efekty uczenia się dla kierunku

Kod	Treść
CEN_K1_K05	The graduate is ready to understand and appreciate the importance of professional ethics in his/her own actions and those of others
CEN_K1_K06	The graduate is ready to formulate precise questions to deepen his/her own understanding of a topic or to find missing pieces of reasoning
CEN_K1_U20	The graduate can use databases to retrieve information needed in the chemist's work
CEN_K1_W17	The graduate knows and understands opportunities for the economic optimisation of chemical processes
CEN_K1_W18	The graduate knows and understands the legal and economic conditions applying in the field of chemical sciences