FACULTY of Chemistry

SUBJECT CARD

Name of subject in Polish: Pozyskiwanie danych naukowo technicznych
Name of subject in English: Retrieval of Scientific and Technological Resources
Main field of study (if applicable): Chemical engineering and Technology
Specialization (if applicable):
Profile: practical
Level and form of studies: 2nd level
Kind of subject: obligatory
Subject code: W03CET-SM2005C
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)		25			
Form of crediting (Examination / crediting with grade)		Crediting with grade			
For group of courses mark (X) final course					
Number of ECTS points		1			
including number of ECTS points for practical classes (P)		1			
including number of ECTS points corresponding to classes that require direct participation of lecturers and other academics (BU)		0,6			

*delete as not necessary

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES
1. Basic computer skills

SUBJECT OBJECTIVES
C1 Familiarization with technical standards and data
C2 Familiarization with scientific databases (Scopus, Web of Science, Google Scholar)
C3 Familiarization with specific databases (Reaxys, Chemspider, PDB, Mycobank)
C4 Familiarization with patent information, principles of patenting and patent protection

SUBJECT EDUCATIONAL EFFECTS
relating to knowledge:
PEU_W01 Be able to search for information in scientific databases and retrieve scientific articles
PEU_W02 Be able to find patent information
relating to skills:
PEU_U01 Be able to write a patent application

PEU_U02 Be able to prepare a report on the current state of knowledge in a given field of
        science
relating to social competences:
PEU_K01 Is able to work in a group
PEU_K02 Is aware of the importance of acquired theoretical and practical knowledge
PEU_K03 Is able to present the results of his/her work

PROGRAMME CONTENT		
Project		**Number of hours**
Cw1	Introduction to the class, discussion of the essence of scientific and technical information	1
Cw2	Resources of library, standardization and patent databases	2
Cw3	Working with databases (Web of Science, Scopus, Google Scholar)	2
Cw4	Working with specialized databases (PDB, Mycobank, Chemspider, Reaxys)	2
Cw5	Structure and methodology of creating patent applications	2
Cw6	Formulating the topic and scope of the project	2
Cw7	Partial evaluation of projects	2
Cw8	Project presentation	2
	Total hours	15

TEACHING TOOLS USED
N1. Presentation N2. Group work N3. Consultation

EVALUATION OF SUBJECT LEARNING OUTCOMES ACHIEVEMENT

Evaluation (F – forming during semester), P – concluding (at semester end)	Learning outcomes code	Way of evaluating learning outcomes achievement
F1 Project	PEU_W01 PEU_W02 PEU_U01 PEU_U02 PEU_K01 PEU_K02 PEU_K03	-attendance during the course -project
P = F1= 10 pkt. 9,5 - 10 pkt. + bdb 9,0 – 9,4 pkt. bdb 8,0 – 8,9 pkt. + db 7,0 – 7,9 pkt. db		

6,0 – 6,9 pkt. + dst
5,0 – 5,9 pkt. dst

PRIMARY AND SECONDARY LITERATURE
PRIMARY LITERATURE: [1] H. Kara *Research and Evaluation for Busy Students and Practitioners: A Time-Saving Guide* [2] C. Manning, P. Raghavan, H. Schutze *An Introduction to Information Retrieval* [3] D. Lewandowski *Web Search Engine Research* (Library and Information Science, 4) **SECONDARY LITERATURE:** [1] A.Szewc *Informacja naukowo-techniczna*
SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)
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