

FACULTY OF CHEMISTRY

SUBJECT CARD

Name of subject in Polish *Informacja naukowa i techniczna*Name of subject in English *Retrieval of scientific and technical information*Main field of study (if applicable): *Biosciences*Specialization (if applicable): *Bioinformatics, Medicinal Chemistry*Profile: academic / ~~practical~~*Level and form of studies: 1st/ 2nd level, ~~uniform magister studies~~*, full-time / ~~part-time~~*Kind of subject: obligatory / ~~optional~~ / ~~university-wide~~*

Subject code W03BSS-SM2008L

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)			0,7		

*delete as not necessary

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. Basic knowledge of information technology

SUBJECT OBJECTIVES

C1 Acquainting with the selected topics regarding the scientific literature

C2 Acquainting with the literature databases

C3 Acquainting with the factographic databases in the fields of chemistry and biotechnology

C4 Acquainting with the research funding

C5 Acquainting with the selected topics of ethics in science

SUBJECT EDUCATIONAL EFFECTS

relating to skills:

PEU_U01 Student is able to develop the complex search queries for literature databases

PEU_U02 Student is able to develop the complex search queries for factographic databases

PEU_U03 Student is able to find job and internship calls

PEU_U04 Student is able to find active grants regarding the selected topic

PEU_U05 Student is able to detect the plagiarism

relating to social competences:

PEU_K01 Student appreciates the necessity of the assessment of the quality and credibility of

the scientific information		
PEU_K02 Student is able to follow the code of ethics in science and to respect the copyright policies		
PROGRAMME CONTENT		
Lecture		Number of hours
Lec 1		
Lec 2		
Lec 3		
Lec 4		
Lec 5		
....		
	Total hours	
Classes		Number of hours
Cl 1		
Cl 2		
Cl 3		
Cl 4		
..		
	Total hours	
Laboratory		Number of hours
Lab 1	Structure and preparation of scientific articles	2
Lab 2	Current Contents literature database and building of search queries	2
Lab 3	Web of Science literature database and Journal Citation Reports	2
Lab 4	Preparation of grant proposals and searching for grants, internships and patents	2
Lab 5	Analysis of structural data from Cambridge Structural Database	2
Lab 6	Reaxys-Beilstein and Scifinder-Chemical Abstracts databases	2
Lab 7	Searching for job offers and preparation of academic resume	2
Lab 8	Code of ethics in science	1
	Total hours	15
Project		Number of hours
Proj 1		
Proj 2		
Proj 3		
Proj 4		
...		
	Total hours	
Seminar		Number of

	hours
Semin 1	
Semin 2	
Semin 3	
...	
Total hours	

TEACHING TOOLS USED

N1. Lecture with multimedia presentation
 N2. Problem solving
 N3. Problem solving with the computer software

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
F	PEU_U01-PEU_U05 PEU_K01, PEU_K02	Final report (max 100 points)
P = 3,0 (F=50-60 points) 3,5 (F=61-70 points) 4,0 (F=71-80 points) 4,5 (F=81-90 points) 5,0 (F=91-95 points) 5,5 (F=96-100 points)		

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

- [1] D. Ridley, Finding scientific information – information retrieval, Wiley, 2002
- [2] D. Lindsay, Scientific writing = thinking in words, CSIRO Publishing, 2011
- [3] M. Carter, Designing Science Presentations. A Visual Guide to Figures, Papers, Slides, Posters, and More, Academic Press 2013

SECONDARY LITERATURE:

- [1] On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition, 2009, The National Academies Press

SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)

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