

FACULTY OF CHEMISTRY					
SUBJECT CARD					
Name of subject in Polish:		Język angielski w chemii i inżynierii			
Name of subject in English:		English in Chemistry and Engineering			
Main field of study (if applicable):		Faculty course			
Specialization (if applicable)					
Profile: academic					
Level and form of studies:		1 st level, full-time studies			
Kind of subject: optional					
Subject code:		ICC011002			
Group of courses:		NO			
	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)		30			
Number of hours of total student workload (CNPS)					
Form of crediting		crediting with grade			
For group of courses mark final course with (X)					
Number of ECTS points		0			
including number of ECTS points for practical (P) classes					
including number of ECTS points for direct teacher-student contact (BK) classes					
PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES					
1. Basic English					
SUBJECT OBJECTIVES					
C1 to make student familiar to the English terminology used in chemistry, engineering and chemical technology					
C2 to make student able to reading and understanding simple chemical and engineering texts					
SUBJECT LEARNING OUTCOMES					
Not applicable					
PROGRAM CONTENT					
Classes					Number of hours
CI 1	Introduction, discussion of the scope and mode of work, discussion of the conditions for passing, entry test				2
CI 2	University - basic concepts				2
CI 3	English in a chemical laboratory				2
CI 4	Periodic table of elements				2

CI 5	Basic issues in general chemistry	2
CI 6	Basic issues in the field of inorganic chemistry	2
CI 7	Chemical reactions in inorganic chemistry, stoichiometry	2
CI 8	Basic issues in the field of organic chemistry	2
CI 9	Skill test	2
CI 10	Basic concepts in chemical engineering and technology	2
CI 11	Basic concepts in the field of environmental protection	2
CI 12	Work with a scientific text	2
CI 13	Work with a scientific text	2
CI 14	Work with a scientific text	2
CI 15	Skill test	2
	Total hours	30
TEACHING TOOLS USED		
N1. Multimedia presentation N2. Movies in English N3. Tests and written exercises N4. Work with text		
EVALUATION OF SUBJECT LEARNING OUTCOMES ACHIEVEMENT		
Not applicable		
English course for 0 ECTS from the group of elective courses as an alternative to compensating courses in chemistry, physics and biology		
Evaluation (F – forming (during semester), P – concluding (at semester end))	Learning outcomes number	Way of evaluating learning outcomes achievement
F1 (PW _r grade scale)		
F2 (PW _r grade scale)		
$C = (F1+F2)/2$		
PRIMARY AND SECONDARY LITERATURE		
<u>PRIMARY LITERATURE:</u>		
[1] Teaching Chemistry – A Studybook, A Practical Guide and Textbook for Student Teachers, Teacher Trainees and Teachers, ed. I. Eilks and A. Hofstein, SENSE PUBLISHERS, 2013 [2] Check your vocabulary for Academic English, David Porter, A&C Black 2007 [3] http://www.upjs.sk/public/media/3499/English-for-Chemists.pdf		
<u>SECONDARY LITERATURE:</u>		
Internet sources Textbooks in English (General chemistry, Organic chemistry, Analytical chemistry) Scientific literature Films in chemistry, engineering and chemical technology, in particular lectures in English		
SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)		
Dr hab. inż. Piotr Rutkowski, prof. uczelni (piotr.rutkowski@pwr.edu.pl) Dr hab. inż. Jolanta Warchol, prof. uczelni (jolanta.warchol@pwr.edu.pl)		