THE DEPARTMENT OF FOREIGN LANGUAGES

WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

SUBJECT CARDS

ENGLISH LANGUAGE

I LEVEL

2017/2018

THE DEPARTMENT OF FOREIGN LANGUAGES SUBJECT CARD *"Human Face of Technology"*	
Name in Polish	**Humanistyczne oblicze techniki, C1.1**
Name in English	**Human Face of Technology, C1.1**
Main field of study (if applicable)	**-**
Specialization (if applicable)	**-**
Level and form of studies	**1st level, full time**
Kind of subject	**university- wide**
Subject code	**JZL100894C**

	Classes
Number of hours of organized classes in University (ZZU)	**60**
Number of hours of total student workload (CNPS)	**70**
Form of crediting	**Crediting with grade**
Number of ECTS points	**2**
Including the number of ECTS points for practical classes (P)	**2**
Including the number of ECTS points for direct teacher-student contact classes (DC)	**1,5**

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES
Knowledge of English language at level B2 on the scales of the Common European Framework of Reference for Languages

SUBJECT OBJECTIVES
C1. Developing knowledge of a variety of issues related to the history of technology in English-speaking countries, especially to important inventions, structures, feats of engineering and famous inventors/engineers working in English-speaking countries. The course content is selected so as to correspond to the material taught at each of the WrUST faculties. C2. Developing language proficiency in areas related to ESP and technical communication (selected grammar structures and universally used technical terminology. C3. Preparing students to take part in discussions on general-technical topics. C4. Preparing students to present their opinions in public speeches, including presentations. C5. Developing interest in the ethical aspects of technological development and in the relationship between technology and culture.

SUBJECT EDUCATIONAL OUTCOMES	
RELATING TO KNOWLEDGE	
PEK_W01	Student has sufficient linguistic knowledge to communicate on academic topics related to technical sciences and to the modern world; sufficient intercultural knowledge; awareness of the influence that culture has on communication.
RELATING TO SKILLS	
PEK_U01	Student follows and understands longer texts/utterances (e.g. presentations, lectures, discussions) on academic topics and in some areas of technical sciences.
PEK_U02	Student understands texts on academic topics and in some areas of technical sciences; student finds required information in literature.
PEK_U03	Student communicates in an academic environment and on the topics related to the studied discipline, using adequate language tools (grammar and lexis), elaborating on particular issues.

PEK_U04	Student writes texts typical of academic environment (e.g. formal correspondence, article summary), also based on information from various specialist sources.
RELATING TO SOCIAL COMPETENCES	
PEK_K01	Student is prepared to communicate in an academic environment in accordance with language and cultural standards, student adjusts to the situation and to the partners of the communication process.

PROGRAMME CONTENT		
Classes		**Number of hours**
1-2	Frank Lloyd Wright. About architecture, nature, IT science and marketing.	4
3-4	Francis „Hurry Up" Crowe. About concreto curing and renewable energy sources.	4
5-6	Charles Goodyear. About rubber-puckered shirts.	4
7-8	Percy Spencer. About the microwave oven and other spectacular, albeit accidental discoveries.	4
9-10	Edison and Tesla. About the war of currents, directly.	4
11-12	Monsieurs Brunel. About the tunnel under the Thames.	4
13-14	Margaret Hamilton. About the birth of software engineering.	4
15-16	E. Oppenheimer. About uncut diamonds.	4
17-18	J. Oppenheimer. Manhattan and Three Mile Island. And other nuclear accidents.	4
19-20	Walter C. Baker. About electric vehicles.	4
21-22	James Watt. About steam engine.	4
23-24	F.B. Morse. The ABC of telecommunications.	4
25-26	Stephen Hawking. About astronomy and cybernetics.	4
27-28	The Roebling family. About the Brooklyn Bridge.	4
29	Masdar. About a town in the desert.	2
30	Conclusions. Final test.	2
	Total hours	**60**

TEACHING TOOLS USED
N1. Audiovisual materials (audio and video recordings, PowerPoint presentations, interactive web pages etc.) presented during classes with an overhead projector.
N2. Texts on the history of technology as homeworks.
N3. Group discussions and individual presentations as communication tools during classes.
N4. Grammar and lexical tasks.
N5. Short written homework assignments as an opportunity for reflection on the topics discussed.

EVALUATION OF THE ACHIEVEMENT OF SUBJECT EDUCATIONAL OUTCOMES		
Evaluation (F- during semester, P- at the end of semester)	**Educational outcome number**	**Method of evaluating educational outcome achievement:**
F1 – 50% of the final grade for classwork	PEK_W01 PEK_U01 PEK_U02 PEK_U03 PEK_K01	Participation in the classes and in discussions, preparation of multimedia presentations, individual work, groupwork, pairwork.
F2 – 25% of the final grade for short written	PEK_U01 PEK_U02 PEK_U03	short essays presenting the student's own reflections and views on the issues discussed during classes

assignments		
F3 – 25% of the final grade for the final test	PEK_W01 PEK_U01 PEK_U04	a final test for the evaluation of the achievement of the course's objectives
P = F1 + F2 + F3		

PRIMARY AND SECONDARY LITERATURE
PRIMARY LITERATURE: Teacher's own materials **SECONDARY LITERATURE:** Basalla, George 1999: *The Evolution of Technology*. Cambridge: Cambridge Univ. Press. Bijker, W., Hughes, T., Pinch T., Douglas D. 2012: *The Social Construction of Technological Systems: New Directions in the Sociology and History of Technology*. Cambridge: MIT Press. Derry, T. K., Williams, T. 1993: *A Short History of Technology: From the Earliest Times to A.D. 1900*. New York: Oxford Univ. Press. Edgerton, David 2007: The Shock of the Old: Technology and Global History since 1900. Oxford: Oxford Univ. Press. Pater, Zbigniew 2011: *Wybrane zagadnienia z historii techniki*. Lublin: Politechnika Lubelska. Usher, Abbott Payson 1929: *A History of Mechanical Inventions*. New York: McGraw Hill.

SUBJECT LEADER (NAME AND SURNAME, E-MAIL ADDRESS)
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Last update: 25.04.2017

THE DEPARTMENT OF FOREIGN LANGUAGES SUBJECT CARD *"Foreign language"*	
Name in Polish	**Język angielski w poszukiwaniu pracy przez młodych inżynierów, C1.1**
Name in English	**English for Job Hunting for Young Engineers, C1.1**
Main field of study (if applicable)	**-**
Specialization (if applicable)	**-**
Level and form of studies	**1st level, full time**
Kind of subject	**university- wide**
Subject code	**JZL100896C**

	Classes
Number of hours of organized classes in University (ZZU)	**60**
Number of hours of total student workload (CNPS)	**70**
Form of crediting	**Crediting with grade**
Number of ECTS points	**2**
Including the number of ECTS points for practical classes (P)	**2**
Including the number of ECTS points for direct teacher-student contact classes (DC)	**1.5**

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES
Knowledge of English language at level B2 on the scales of the Common European Framework of Reference for Languages

SUBJECT OBJECTIVES
1. Developing communication competences for academic and professional purposes. 2. Developing language skills required in job hunting 3. Targeted using of the student's own work.

SUBJECT EDUCATIONAL OUTCOMES	
RELATING TO KNOWLEDGE	
PEK_W01	Student has organized knowledge about own achievements as well as achievements in the field of study and possesses necessary language tools to present themselves during the interview with the future employer..
RELATING TO SKILLS	
PEK_U01	Student understands telephone conversations; follows and understands longer utterances of native speakers related to familiar topics.
PEK_U02	Student understands functional texts; evaluates their importance on the examples of letters and advertisements.; is able to collect and interpret information from texts; is able to use English language sources.
PEK_U03	Student is able to write a correct CV, job application, formal letter in a reply to an application or a thank you letter for interest.
PEK_U04	Student is able to participate in a conversation about professional plans in an active way; is able to participate in a job interview; is able to answer unexpected questions during a job interview.
RELATING TO SOCIAL COMPETENCES	
PEK_K01	Student is able to apply the knowledge taking cultural considerations into account; has the potential to work in an international environment; is able to express

	themselves in a clear and polite way using formal and informal register adequate to the situation. Student uses language tools in accordance with socio-cultural conventions.

PROGRAMME CONTENT		
Form of classes - class		**Number of hours**
No.	**SUBJECT OBJECTIVES**	
1-7	**Effective analysis of own potential on the job market.** A specific language used in job advertisements and different methods of looking for a job. Own potential analysis.	**14**
8-15	**How to write impressive CV and job application in order to get a dream job.** How to attract a potential employer. How to describe professional experience, education and interests in an effective way.	**16**
16-22	**How to impress an interviewer at the job interview.** Skillful autopresentation in order to convince the interviewers that they should employ us. Body language awareness and effective response to unexpected questions.	**14**
23-29	**Rules of negotiating work conditions.**	**14**
30	**Final test**	**2**
	TOTAL NUMBER OF HOURS	**60**

TEACHING TOOLS USED
N1 Lecturer's own teaching materials N2 Lexical tasks and exercises N3 Materials and tasks using multimedia

EVALUATION OF THE ACHIEVEMENT OF SUBJECT EDUCATIONAL OUTCOMES		
Evaluation (F- during semester, P- at the end of semester)	**Educational outcome number**	**Method of evaluating educational outcome achievement:**
F1 – 25% of the final grade for classwork	PEK_W01 PEK_U01 PEK_U02 PEK_U03 PEK_U04 PEK_K01	performing tasks and exercises related to introduced material and classwork
F2 – 25% of the final grade for individual work	PEK_W01 PEK_U01 PEK_U02 PEK_U03 PEK_U04 PEK_K01	written work with the elements of written forms used while looking for a job.
F3 – 25% of the final grade for work with specialist texts	PEK_W01 PEK_U02 PEK_U03 PEK_U04	oral assessment of knowledge of lexical and grammar issues including specialistic language typical of the course
F4 – 25% of the final grade for the test	PEK_W01 PEK_U02 PEK_U04	a test for the evaluation of the lexis and grammar acquired during the course
P = F1 + F2 + F3 + F4		

PRIMARY AND SECONDARY LITERATURE
PRIMARY LITERATURE: Colm Downes, *Cambridge English for Job Hunting,* Cambridge University Press, 2010 **SECONDARY LITERATURE:** 1. Michael McCarthy, Felicity O'Dell, *Academic Vocabulary In Use*, Cambridge University Press, 2009 2. www.youtube.com 3. *Cambridge English for Engineering* (CUP) 4. Technical English – Vocabulary & Grammar (Thomson ELT)

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Last update: 25.04.2017

THE DEPARTMENT OF FOREIGN LANGUAGES SUBJECT CARD 'Foreign language'	
Name in Polish	**Język angielski dla studentów Chemii, C1.1**
Name in English	**English Language for Chemistry students, C1.1**
Main field of study (if applicable)	**-**
Specialization (if applicable)	**-**
Level and form of studies	**1st level, full time**
Kind of subject	**university-wide, additional offer**
Subject code	**JZL100895C**

	Classes
Number of hours of organized classes in University (ZZU)	**60**
Number of hours of total student work load (CNPS)	**70**
Form of crediting	**Crediting with grade**
Number of ECTS points	**2**
Including the number of ECTS points for practical (P) classes	**2**
Including the number of ECTS points for direct teacher-student contact (DC) classes	**1,5**

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES
Knowledge of English on level C1 according to Common European Framework of Reference for Languages.

SUBJECT OBJECTIVES
C1. Developing linguistic competence, with the use of possessed skills, gained at previous levels. C2. Developing reading skills of ESP texts. C3. Teaching independent language learning techniques.

SUBJECT EDUCATIONAL OUTCOMES	
RELATING TO KNOWLEDGE	
PEK_W01	The student possesses linguistic knowledge that enables them to communicate in their professional life, reads ESP texts and uses appropriate grammatical structures and lexis typical of ESP. The student is able to search for information in English from different sources, analyze and interpret it. The student can describe processes and techniques.
RELATING TO SKILLS	
PEK_U01	The student understands lectures, presentations on familiar, general as well as ESP topics.
PEK_U02	The student comprehends ESP texts, and is able to make a critical analysis of information given in ESP texts.

	The student can use different authentic materials in English (dictionaries, encyclopedias, lexicons, etc.)
PEK_U03	The student is able to summarise a specialised texts, present and comment on information presented on a graph, diagram, etc . The student is able to take part in discussions on specialised topics and make a multimedia presentation on the topic related to the field of their studies. The student can formulate their own opinions, present their arguments, give some instructions.
PEK_U04	The student is able to write a short text on ESP topics (e.g a report)
RELATING TO SOCIAL COMPETENCES	
PEK_K01	The student has communicative skills in English which they can use in professional environment, can function in various international ventures and is able to use the acquired linguistic skills for self-development.

PROGRAMME CONTENT		
Classes		**Number of hours**
C 1,	Terminology element symbols, reading chemical symbols (compounds and equations)	2
C 2	Laboratory equipment, safety in a chemical laboratory	2
C 3,4	Periodic table of elements	4
C 5,6	Separation techniques (e.g. filtration, crystallization)	4
C 7,8,	Distillation	4
C 9.10	Fermentation	4
C 11	Household chemicals	2
C 12	Chemistry in the kitchen	2
C13	Organic chemistry	2
C 14	Hydrocarbons	4
C 15	Pharmaceuticals	4
C 16,17	Polymers	4
C 18	Radioactivity	4
C 19,20	Detergents	4
C 21,22	Cosmetics	4
C 23,24	Nanotechnology	4
C 25,26	Industrial Chemistry and Green Chemistry	4
C 27,28	Biotechnology	4
C 29,30	REVISION, TEST ASSIGNMENTS, FINAL TEST	4
	TOTAL HOURS	**60**

TEACHING TOOLS USED
N1 Course book(s) for general and scientific/technical language, level C1 N2 Teacher's own didactic materials N3 The materials of the project 'Virtual Learning Environment' N4 Task with the use of multimedia, Internet and the Moodle platform N5 Multimedia presentations N6 Consultations

EVALUATION OF THE ACHIEVEMENT OF SUBJECT EDUCATIONAL OUTCOMES

Evaluation (F- forming (during semester) P- concluding (at semester end)	**Educational outcome number**	**Method of evaluating educational outcome achievement**
F1 – 25% of final grade percentage for test assignments	PEK_W01 PEK_U01 PEK_U02 PEK_U03 PEK_U04	test assignments (min. one test per semester – test, mini test, etc.);
F2- 25% of final grade for homework	PEK_W01 PEK_U01 PEK_U02 PEK_U03 PEK_U04 PEK_K01	grade for homework assignments (oral and/or written statements - including non-literary text; in the form of self-presentation and on the given topic concerning everyday life and professional issues; on the basis of a short, read text concerning every day and professional issues (studies, work); grammar-lexical exercises
F3 – 25% of final grade for classroom work	PEK_W01 PEK_U01 PEK_U02 PEK_U03 PEK_U04 PEK_K01	grade for classroom work (e.g. active participation in the classes – independent work, pair work, group work, oral or written statements)
F4 – 25% of final grade for the final test	PEK_W01 PEK_U01 PEK_U02 PEK_U04	final test assignment controlling the skills practised during the classes and at home, in accordance with the programme of the course.
P = F1 + F2 + F3 + F4		

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

1. McCarthy J., White T., Understanding Chemistry, The Education Company
2. Korpak M., From Alchemy to Nanotechnology, a selection texts with exercises and key,, SPNJO Politechniki Krakowskiej. Kraków 2008
3. Teacher's own materials

SECONDARY LITERATURE:

1. Euss, G. Chemistry for the IB Diploma, Oxford University Press, 2001
2. www.chemistry.about.com
3. www.inventors.about.com
4. www.funtrivia.com
5. www.howstuffworks.com
6. www.sciencedaily.com
7. www.en.wikipedia.org

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