



Field of study	Chemical Engineering					
Mode of study	stationary	Level	first cycle			
Graduate's qualification	inżynier					
Area(s) of study	nauki techniczne					
Educational profile	general academic					
Module						
Course unit	Foreign Language II					
Code	ChEn_1A_S_B04b					
Field of specialisation						
Administering faculty	Studium Praktycznej Nauki Języków Obcych					
ECTS	5,0	ECTS (forms)	5,0			
Form of course credit	examination	Language	english			
Electives		Elective group				
Form of instruction	Code	Semester	Hours	ECTS	Weight	Credit
foreign language course	LK	2	75	5,0	1,00	examination
Leading teacher	Stelmaszczyk Marek (Marek.Stelmaszczyk@zut.edu.pl)					
Other teachers	Doroch Alina (Alina.Doroch@zut.edu.pl), Maziarz Anna (Anna.Maziarz@zut.edu.pl), Obstawski Andrzej (Andrzej.Obstawski@zut.edu.pl)					
Prerequisites						
W-1	The necessary prerequisite for attending the course is the knowledge of English/Germany at level B2 of CEFR.					
Module/course unit objectives						
C-1	The aim of the course is to obtain the skills to function in an academic environment using various linguistic techniques including writing a paper, making a presentation and communicating at conferences.					
Course content divided into various forms of instruction					Number of hours	
T-LK-1	Cause & effect in academic research; discussing and reporting concepts; analysis of results, discussing the meaning.					10
T-LK-2	Research & study aims; points of view; degrees of certainty; Presentation of an argument. Discussion.					8
T-LK-3	Making a presentation (expressions, video demonstrating various presentations). Presentations delivered by students as part of the course					10
T-LK-4	Research methods (useful nouns & expressions);Classification system; Connecting data & evidence; Article -writing a review.					8
T-LK-5	Describing problems (introducing, responding, solving); Comparing & contrasting (linking expressions); Technological processes & procedures. Case study - topic chosen by the students.					10
T-LK-6	Describing changes (verbs/adjectives); Evaluation & emphasis; Summary & conclusion. Writing a report from a chosen webinar on technological aspects.					8
T-LK-7	Formal and informal academic words and expressions.					4
T-LK-8	British and North American or Germany academic vocabulary.					4
T-LK-9	Testy w trakcie semestru - 3 x 2 godziny sprawdzające znajomość przerobionego materiału					6
T-LK-10	Powtórka materiału					7
Student workload - forms of activity					Number of hours	
A-LK-1	Practical classes					75
A-LK-2	Preparation for classes					58
A-LK-3	Individual tutorials					5
A-LK-4	Preparation for exam					10
A-LK-5	Exam					2
Teaching methods / tools						
M-1	Practical classes					
M-2	Group work					
M-3	Presentation					
M-4	Discussion					
M-5	Work with text					
M-6	Listening comprehension					

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Evaluation methods (F - progressive, P - final)									
S-1	F	Presentation (F)							
S-2	F	Written exam (S)							
Designed learning outcomes		Reference to the learning outcomes designed for the fields of study	Reference to the learning outcomes defined for the particular areas of education	Reference to learning outcomes leading to the degree of "inżynier"	Course objectives	Course content		Teaching methods	Evaluation methods
Knowledge									
ChEn_1A_B04b_W01 Has the knowledge necessary to understand academic language crucial for writing academic papers, reading the papers at conferences and conducting a discourse pertaining to engineering activity.		ChEn_1A_W16	P6S_WG_TA11	P6S_WG_IA11	C-1	T-LK-6 T-LK-7 T-LK-8	T-LK-9 T-LK-10	M-1 M-2 M-3 M-4 M-5 M-6	S-1 S-2
Skills									
ChEn_1A_B04b_U01 A student is able to communicate with professionals and others employing various techniques when transferring information in English and completing an engineering task. A student is able to prepare in English a report, review and presentation using a repertoire of relevant techniques. A student is able to improve his communication and academic skills.		ChEn_1A_U02 ChEn_1A_U03 ChEn_1A_U05 ChEn_1A_U06 ChEn_1A_U11	P6S_UK P6S_UU P6S_UW_TA12 P6S_UW_TA14	P6S_UW_IA12	C-1	T-LK-1 T-LK-4	T-LK-5 T-LK-6	M-1 M-2 M-3 M-4 M-5 M-6	S-1 S-2
Other social / personal competences									
ChEn_1A_B04b_K01 A student is aware of the necessity of developing and perfecting his language competences.		ChEn_1A_K02 ChEn_1A_K06	P6S_KO		C-1	T-LK-2	T-LK-3	M-1 M-2 M-3 M-4 M-5 M-6	S-1 S-2
Required reading									
1. Michael McCarthy, Felicity O'Dell, Academic Vocabulary in Use, Cambridge University Press, 2008									
2. Sarah Lane, Instant academic skills, Cambridge University Press, 2011									
3. Menschen, Julia Braun-Podeschwa, Charlotte Habersack, Angela Pude, 2018									
4. Ute Koithan, Nana Ochmann et al., Aspekte, 2018									
Supplementary reading									
1. Sarah Lane, Instant academic skills, Cambridge University Press, 2011									
1. Michael McCarthy, Felicity O'Dell, Academic Vocabulary in Use, Cambridge University Press, 2008									
2. E.H.Glendinging, Oxford English for Careers: Technology 1, Oxford University Press, 2007									
3. Nanotechnology's big impact, https://www.acs.org/content/dam/acsorg/education/resources/highschool/chemmatters/articlesbytopic/bonding/chemmatters-oct2009-									
4. Environmental, health and safety aspects of nanotechnology— implications for the R&D in (small) companies,, https://www.tandfonline.com/doi/pdf/10.1016/j.stam.2006.11.020?needAccess=true									
5. Environmental impacts of nanotechnology and its products,, https://www.asee.org/documents/sections/midwest/2011/ASEE-MIDWEST_0030_c25dbf.pdf									
6. Effects of nanoparticles on the environment and outdoor workplaces,, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4477780/									
7. The global Warming debate: A case study, http://chem.ucr.edu/documents/case_study/gw_case_intro.pdf									
8. Scientists discover 'supramolecule' that could help reduce nuclear, agricultural waste, http://www.chemistry2011.org/news/InorganicChemistry/NuclearChemistry/Radiochemistry/ScientistsDiscoverSupramoleculeThatCouldHelpReduceNuclearAgriculturalWaste									
9. Journals step up plagiarism policing, https://www.nature.com/news/2010/100705/full/466167a.html									
10. Chemistry World, https://www.chemistryworld.com/1024.type									