Uniwersytet Jana Długosza w Częstochowie

Studium Nauki Języków Obcych – COURSE DESCRIPTION

ENGLISH LANGUAGE COURSE / Level B2+
Faculty of Science, Natural and Technical Studies **Specialized Language for Science Disciplines** **Field of Study: : Medical Engineering**

Planned Learning Outcomes:	
Knowledge EU1	The student knows specialized vocabulary in a modern language related to their field of study at B2+ level (according to the CEFR system).
Skills EU2	The student can use specialized vocabulary to communicate in a professional environment at B2+ level. Course implementation and content verification ensure language proficiency at B2+.
Social Competence EU3	The student is ready to deepen acquired professional and life skills, engages in advanced self-study to improve language skills, and is aware of intercultural and interpersonal differences in lifelong learning.

Education profile: **general academic**	Type of Course: **mandatory**	Language of Instruction : **English**
Year and Semester: **1st Year, 1st & 2nd Semesters**	Level and Mode of Studies : **2nd Degree,** **Full-time**	ECTS Points – 3 (45 hours) **1st semester – 2 points** -1 point for participation in classes, -1 point for independent work, **2 n d semester – 1 point** -1 point for participation in classes and independent work.
Course Author :	**mgr Monika Bednarek-Kawa** contact: sjo@ujd.czest.pl	
Course Instructor:	**mgr Marta Dobosz-Dudek** m.dobosz-dudek@ujd.edu.pl	

COURSE OBJECTIVES

- Develop and improve language skills (reading, writing, understanding, speaking) necessary for everyday and professional life.

- Expand vocabulary related to the field of study.

- Enable students to acquire specialized knowledge and intercultural/interpersonal skills.

PREREQUISITES

- English language skills at B2 level according to CEFR.

- Ability to use digital and traditional information sources, especially in foreign languages.

Program Content - Lexical Topics (Semester 1):	Number of hours
1. Information about the SNJO offer (international exams, projects). SNJO class regulations. Discussing the issues implemented during the course.	1
2. Medical engineering (definition, scope of research), medical and rehabilitation devices.	2
3. What is biotechnology?	2
4. Mechanics, mechanisms, materials science, biomaterials.	2
5. Elements of electrical and electronic systems.	2
6. Robotics.	2
7. Test /Module 2-6/	2
8. Basic medical instruments and tests.	2
9. Basic mathematical operations.	2
10. Computer Science in Medical Imaging.	2
11. Hospital and laboratory medical facilities.	2
12. Technical consulting and technical services.	2
13. Test /Module 8-12/	2
14. Presentation Task	3
15. Credit class.	2

Program Content - Lexical Topics (Semester 2):	Number of hours
1. Computer analysis and improvement of the quality of photos obtained from	2

diagnostic devices (computed tomography, MRI magnetic, isotope methods, ultrasound, etc.	
2. Writing. CV – how to write professional curriculum vitae.	2
3. Implementation of orthopaedic supplies.	2
4. Manufacture and design of medical equipment.	2
5. Maintenance of medical apparatus.	2
6. Remote operation support (video streaming, web applications).	2
7. Test /Module 1-6/	1
8. Artificial intelligence in medicine.	2

Learning outcome	Reference to program-specific learning outcomes (symbol of program-specific learning outcomes).
EU 1	K_W12
EU 2	K_U11
EU 3	K_K11

Evaluation criteria – description

	Learning outcome		
Grade	**EU1** The student knows specialized vocabulary in a modern language related to the studied field at the B2+ level according to the CEFR system.	**EU2** Can use specialized vocabulary knowledge to communicate in a professional environment at the B2+ level.	**EU3** The student is ready to deepen the acquired life and professional skills, engages at an advanced level in developing language proficiency through independent work, being aware of existing intercultural as well as interpersonal differences in the process of lifelong learning.
2	The student does not know specialized vocabulary in a	The student is unable to formulate any oral or written	The student is not ready to apply life and professional

	modern language at the B2+ level. They scored below 51% on the test/exam.	statements in their field.	skills. He/She does not demonstrate commitment to developing language proficiency. During classes, a lack of awareness of existing intercultural and interpersonal differences is observed.
3	The student knows vocabulary from his field at B2+ level to a limited extent. Obtained a test/colloquium score in the range of 51%-60%.	Student can formulate simple oral and written statements on working situations to a very limited extent. He makes a lot of language mistakes.	The student is ready to apply language skills in individual and team work, but performs their tasks reluctantly. Shows commitment to developing their language skills to a sufficient degree.
3,5	The student demonstrates knowledge of vocabulary at the B2+ level to a degree that allows him to communicate in a professional environment. The student makes numerous language mistakes, but is communicative. Obtained a test/colloquium score in the range of 61%-70%.	The student communicates in a professional environment, using basic vocabulary that allows the student to communicate information in the field. He speaks in accordance with the topic, but cannot maintain fluency.	The student shows interest in developing their language skills. He is ready to work independently. He performs the tasks set before him to a satisfactory degree. During the classes, you can observe commitment to expanding language skills.
4	The student demonstrates knowledge of vocabulary at the B2+ level, which allows him to function in the professional environment and outside of it. Obtained a test/colloquium score in the range of 71%-80%.	The student is able to formulate understandable and clear oral and written expressions, using specialist vocabulary correctly. He makes few linguistic mistakes.	The student is ready to develop his/her language skills in the field of language, especially specialized language. She is involved in preparing for classes, willingly reads extensive texts in her field. Shows great awareness of existing intercultural and interpersonal differences in the learning process.
4,5	The student has a great knowledge of vocabulary in his field at the B2+ level. He makes few linguistic mistakes. Obtained a test/colloquium score in the range of 81%-90%.	The student is very eager to work on their language skills on their own. Actively participates in classes, being fully aware of the existing intercultural and	The student communicates fluently in oral and written form, using a wide range of specialist vocabulary. Very few errors do not interfere with the fluency or

		interpersonal differences.	communication of speech.
5	The student has a very rich vocabulary that allows him to function perfectly in a professional environment. Obtained a test/colloquium score in the range of 91%-100%.	The student is able to express himself very fluently, coherently and spontaneously on professional and social topics (in oral or written form). In his statements, he uses a very rich vocabulary and language structures.	The student willingly and spontaneously deepens his language skills, reads professional literature, and takes an active part in classes. The student engages in teamwork, participating in international projects. By presenting the prepared materials, he shows very high linguistic awareness and independence in the learning process.

Methods of realization:

- Analysis of specialized texts, use of language structures in context.
- Developing conversational skills and preparing presentations.
- Performing translations and delivering oral presentations.
- Use of e-learning platforms (videos, exercises, recordings).
- Searching for information online.

Methods of Verification:

- Assessment through tests, quizzes, and participation in discussions.
- Presentation preparation and evaluation.
- Task completion on the e-learning platform.

Bibliography:
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- www.nsmedicaldevices.com/analysis/electronics-in-medical-innovations/
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- www.ncbi.nlm.nih.gov