POZNAN UNIVERSITY OF TECHNOLOGY



EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name German [S1AiR1E>JNiem1]

Course			
Field of study Automatic Control and Robotics		Year/Semester 1/2	
Area of study (specialization) –		Profile of study general academic	>
Level of study first-cycle		Course offered in English	
Form of study full-time		Requirements elective	
Number of hours			
Lecture 0	Laboratory classe 0	es	Other 0
Tutorials 60	Projects/seminar 0	S	
Number of credit points 5,00			
Coordinators		Lecturers	
mgr Ewa Kapałczyńska ewa.kapalczynska@put.poznan.p	l		

Prerequisites

1. The already acquired language competence compatible with level B1 (CEFR) 2. The ability to use vocabulary and grammatical structures required on the high school graduation exam with regard to productive and receptive skills 3. The ability to work individually and in a group; the ability to use various sources of information and reference works.

Course objective

1.Advancing students' language competence towards at least level B2 (CEFR). 2.Development of the ability to use academic and field specific language effectively in both receptive and productive language skills. 3.Improving the ability to understand field specific texts (familiarizing students with basic translation techniques). 4.Improving the ability to function effectively on an international market and on a daily basis.

Course-related learning outcomes

Skills:

Is able to obtain information from literature, databases and other sources also in a chosen foreign language [K1_U1 (P6S_UW)].

Can prepare documentation concerning the realisation of an engineering task in Polish and foreign

language [K1_U4 (P6S_UW)].

Is able to give a presentation of results on an engineering task in Polish and foreign language [K1_U5 (P6S_UK)].

Can use a foreign language at level B2 of the Common European Framework of Reference for Languages sufficient to communicate, as well as to read with understanding data sheets, application notes, equipment manuals and descriptions of IT tools [K1_U7 (P6S_UK)]. Social competences:

Is ready to critically assess his/her knowledge; understands the need for and knows the possibilities of continuous training - improving professional, personal and social competence, is able to inspire and organize the learning process of others [K1_K1 (P6S_KK)].

Is ready to prioritise in order to complete a task defined by himself or others [K1_K4 (P6S_KO)].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1.Formative assessment: formal coursework assignments (presentations, tests)

2.Summative assessment: credit . To obtain a positive assessment the student is obliged to pass the material covered by the program with at least 60%.

Programme content

As a result of the course, the student ought to acquire field specific vocabulary related to the following issues:

- Mathematics and geometry
- Description of diagrams
- Studies
- Organizational structure of an enterprise
- Computer technology
- The internet, data tramsmission
- Electrotechnical fundamentals
- Touchscreen monitor
- Barcode scanner

and to be able to define and explain associated terms, phenomena and processes.

Course topics

The programm covers the following topics:

- Mathematical terms
- Description and analysis of diagrams
- Studies in Poland and abroad
- Company structure, departments and their tasks
- Presentation of a company and a given field
- Computer system, computer applications, history of computers
- Data transmission, fibreoptic cables
- The internet and e-mail
- Basic electrical notions/ electric charge, current, voltage, resistance
- Ohm's law
- -Touchscreen monitor structure and principle of operation

-Barcode scanner structure and principle of operation

Teaching methods

1.Presentation, analysis of topics/problems through examples shown on the board, lexical and grammatical tasks,

2.Language practice: discussion, teamwork, case study, linguistic and integration games,

3. Student's individual work, reading and listening comprehension exercises, writing practice.

Bibliography

Basic:

1. Steinmetz, M./Dintera, H.: Deutsch für Ingenieure, Springer Vieweg, Wiesbaden 2014

2.Braun, B./Fügert,N.: Kompass DaF B1/B2, Ernst Klett Sprachen,, Stuttgart 2022 Additional:

1.Zettl, E.: Aus moderner Technik und Naturwissenschaft, Max Hueber Verlag 2003

2.Guzik, D. : Wissenschaft im Alltag", Kraków 2010

3.Fearns/ Buhlmann : Technisches Deutsch für Ausbildung und Beruf, Verlag Europa-Lehrmittel, 2013 4.Jin, F./Voß, U.: Grammatik aktiv , Cornelsen Verlag, 2018

5.Müller, A.-Schlüter, S.: Im Beruf neu B1+/B2, Hueber Verlag 2017

6.Perlmann-Balme, M./Schwalb, S./Matussek, M.: Sicher! Niveau B2.2, Hueber Verlag, München 2014 7.Professional literature (online resources)

Breakdown of average student's workload

	Hours	ECTS
Total workload	120	5,00
Classes requiring direct contact with the teacher	60	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	60	2,50