COURSE DESCRIPTION CARD - SYLLABUS

Course name
German [S1Energ2>JN3]

Course

Field of study
Power Engineering

Year/Semester
2/4

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
full-time

Requirements
elective

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
60

Projects/seminars
0

Number of credit points

4,00

Coordinators

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Lecturers

Prerequisites

Language competence compatible with level B1+(CERF). The ability to use vocabulary and grammatical structures required on the high school graduation exam regarding productive and receptive skills, and the vocabulary and concepts introduced during the 2nd and 3rd semester English courses. The ability to work individually and in a group. The ability to use various sources of information and reference works.

Course objective

To advance the student’s language competence towards level B2 (CEFR).To help the student achieve the ability to use general and field-specific language effectively, with respect to the following language skills: listening, reading, writing, speaking. To perfect the student’s ability to use field-specific texts and to familiarize the student with basic translation techniques. To develop the student's ability to recognize and express cause-effect relationships.To foster the habit of logical thinking (analysis and synthesis of information).

Course-related learning outcomes

Knowledge:
The student has acquired field-specific vocabulary related to the following issues: generation of

electrical energy,energy sources, types of energy, energy efficiency and conservation, waste management, heat transfer and new technologies.

Skills:
The student is able to use English to provide definitions of terms, and explain phenomena and processes referred to in the programme; interpret data presented on graphs/diagrams, interpret source materials; talk on field-specific and general topics, using an appropriate linguistic and grammatical repertoire.

Social competences:
The student is able to communicate effectively in general and field-specific areas, and communicate in English in public.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment: regular assessment of in-class performance and home assignments, quizzes.
Summative assessment: written tests
To obtain a positive assessment the student is obliged to pass the material covered by the program with at least 50%.
Final written and oral exam, level B2 (CERF).

Programme content

The programm includes the following content:
Graph analysis, comparison of figures
Power plants
Trends in the power industry

Course topics

The programm covers the following topics:
General issues:
interpretation and description of graphic charts.
Specialized issues:
construction and operation of nuclear, coal and hydro power plants, wind farms, solar power plants.
Energy policy of the EU and Poland.

Teaching methods

Communicative approach to teaching foreign languages. Using multimedia. Working with text.

Bibliography

Basic:
1. Steinmetz M., Dintera H.: Deutsch für Ingenieure, Springer Vieweg, Wiesbaden 2014
2. Jabłońska D.: Energie, Roboter, Autos, Züge, Politechnika Krakowska, Kraków 2014

Additional:
1. Fearns A., Buhlmann R.: Technisches Deutsch für Ausbildung und Beruf, Verlag Europa, Nourney 2013
2. Zierhut H.: Heizungs- und Lüftungstechnik, Klett Verlag, Stuttgart 1993
3. Perlmann M., Schwalb S.: Sicher B2 aktuell, Hueber Verlag, München 2019
4. Zettel E., Janssen J., Müller H.: Aus moderner Technik und Naturwissenschaft, Hueber Verlag, Berlin 2003
5. Jin F., Voß U.: Grammatik aktiv, Cornelsen Verlag, Berlin 2013
6. Becker J., Merkelbach M.: Deutsch am Arbeitsplatz, Cornelsen Verlag, Berlin 2013
7. Braun, B./Fügert,N.: Kompass DaF B1/B2, Ernst Klett Sprachen, Stuttgart 2022
8. Literatura fachowa (zasoby online)

Breakdown of average student's workload

	Hours	ECTS
Total workload	107	4,00
Classes requiring direct contact with the teacher	62	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	45	1,50