



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Technical German Course [S1Energ1>JN2]

Course

Field of study

Power Engineering

Year/Semester

2/3

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 (e.g. online)

0

Tutorials

30

Projects/seminars

0

Number of credit points

1,00

Coordinators

mgr Ewa Kapalczyńska

ewa.kapalczynska@put.poznan.pl

Lecturers

Prerequisites

1. The already acquired language competence compatible with level B1 2.The ability to use vocabulary and grammatical structures required on the high school graduation exam regarding 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. 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

Knowledge:

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

1. sources of renewable energy

2. basics of electrical engineering
3. development trends in electric power engineering and to be able to define and explain associated terms, phenomena and processes.

Skills:

as a result of the course, the student is able to:

- 1 give a talk on a field specific or popular science topic (in german), and discuss general and field specific issues using an appropriate linguistic and grammatical repertoire
- 2 express basic mathematical formulas and to interpret data presented on graphs/diagrams
- 3 formulate a text in german where he/ she explains/ describes a selected field in specific topics

Social competences:

- 1 as a result of the course, the student is able to communicate effectively in a field specific/professional area, and to give a successful presentation in german
- 2 the student is able to recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:

1. Formative assessment: assessment during language classes: oral performance, written assignments, speech /presentation, tests
2. Summative assessment: credit

Programme content

Sources and applications of electrical current
 Operation of superconductors
 Methods of producing voltage. Electrical circuit
 Heat pump operation cycles
 Structure and operation of wind farms

Teaching methods

teamwork, Brainstorming, Mind Mapps, Snowball Technique

Bibliography

Basic
 Zettl, E.: Aus moderner Technik und Naturwissenschaft, Hueber Verlag 2003
 Additional
 Łuniewska, K.: einFach gut, Kommunikation in Technik und Industrie, Profil 2, PWN i Goethe Institut 1999
 Becker, N.: Fachdeutsch Technik Metall und Elektroberufe, Hueber Verlag 1993
 Grigull, I / Raven, S.: Geschäftliche Begegnungen B1+, Schubert Verlag 2013
 Jabłońska, D.: Energie Roboter Autos Züge, Sachtexte mit Übungen für Deutsch als Fremdsprache, Kraków 2015

Breakdown of average student's workload

	Hours	ECTS
Total workload	37	1,00
Classes requiring direct contact with the teacher	30	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	7	0,50