



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Technical German Course

**Course**

Field of study

Power Engineering

Area of study (specialization)

German

Requirements

elective

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/4

Profile of study

general academic

Course offered in

**Number of hours**

Lecture

Projects/seminars

Tutorials

Other (e.g. online)

60

Laboratory classes

**Number of credit points**

2

**Lecturers**



Responsible for the course/lecturer:  
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### 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. Environmental dangers
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:

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

## Programme content

Structure and operation of heating plant

Structure and operation of hydro power plant

Structure and operation of solar power plant

Structure and operation of nuclear power plant

Fission and fusion nuclear reactions

Energy storage

Ecological problems

Sources of threats

## Teaching methods

teamwork, Brainstorming, Mind Maps, 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	67	2
Classes requiring direct contact with the teacher	60	1,5
Student's own work (preparing a presentation, preparing for tests and final examination, homework) <sup>1</sup>	7	0,5

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<sup>1</sup>

delete or add other activities as appropriate