COURSE DESCRIPTION CARD- SYLLABUS

Course name
German Course (technical)

Course

Field of study
Mathematics in Technology

Area of study (specialization)
—

Level of study
first-cycle studies

Form of study
full-time

Year/Semester
1/2

Profile of study
general academic

Course offered in
Polish

Requirements
elective

Number of hours

Lectures
—

Laboratory classes
—

Other (e.g. online)
—

Tutorials
60

Projects/seminars
—

Number of credit points

3

Lecturers

Responsible for the course/lecturer::

mgr Marta Wojciechowska

Responsible for the course/lecturer::

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Prerequisites

Knowledge: the already acquired language competence compatible with level B1 (CEFR);

Skills: the ability to use vocabulary and grammatical structures required on the high school graduation exam regarding productive and receptive skills;

Social competence: the ability to work individually and in a group; the ability to use various sources of information and reference works.

Course objective

- Advancing students' language competence towards at least level B2 (CEFR).
- Development of the ability to use academic and field specific language effectively in both receptive and productive language skills.
- Improving the ability to understand field specific texts (familiarizing students with basic translation techniques).
- 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 is able to

- as a result of the course, the student ought to acquire field specific vocabulary related to the following issues: basics of Electrical Engineering, forms of electrical energy, renewable energy, electrical machines;
- 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

- 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;
- express basic mathematical formulas and to interpret data presented on graphs/diagrams;
- formulate a text in German where he/ she explains/ describes a selected field in specific topics.

Social competences
As a result of the course, the student is able to

- 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;
- 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:

Laboratory classes:

- formative assessment: assessment during language classes: oral performance, written assignements, speech/presentation, tests;
- summative assessment: final examination.

Programme content

Update: 31.01.2020r.

Laboratory classes:

- electrical charge, voltage, current, operation of electrical current, resistance, measuring of electrical current;
- forms and carrier of electrical energy;
- renewable energy: solar panels, geothermal energy, wind energy, water turbine;
- transformer, generator, electrical machines.

Teaching methods

Laboratory classes: brainstorming, Mind Mapps, Snowball Technique.

Bibliography

Basic

- Steinmetz,M. / Dintera, H.: Deutsch für Ingenieure, Ein DaF Lehrwerk für Studierende ingenieurwissenschaftlicher Facher, Springer Vieweg, Wiesbaden 2014.

Additional

- Fearns, A./ Buhlmann, R.: Technisches Deutsch für Ausbildung und Beruf, Lehr- und Arbeitsbuch, Verlag Europa-Lehrmittel, Goethe Institut 2013.

Breakdown of average student's workload

	Hours	ECTS
Total workload	90	3,0
Classes requiring direct contact with the teacher	60	2,0
Student's own work (preparing a presentation, preparing for tests, homework, preparing and final examination)	30	1.0