

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS) pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

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 Number of hours		Profile of study general academic Course offered in German Requirements elective
Lecture	Laboratory classes	-
Tutorials -	Projects/seminars 60 Other (e.g. online)	
Number of credit points		I

3

Lecturers

Responsible for the	course/lecturer:
mgr Maja Rakiewicz	

e-mail: maja.rakiewicz@put.poznan.pl

tel.: 61 665 2491

Centrum Języków i Komunikacji PP

Prerequisites

Knowledge: The already acquired language competence compatible with level B1 (CEFR) -[PQF 4]

Skills: The ability to use vocabulary and grammatical structures required on the high school graduation exam regarding productive and receptive skills - [PQF 4]

ul. Piotrowo 3A, 60-965 Poznań



EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS) pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

Social competence: 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

Knowledge

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

[K_W02 (P6S_WG)]

and to be able to define and explain associated terms, phenomena and processes. [K_W03 (P6S_WG)]

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 [K_U23 (P6S_UK)]

2 express basic mathematical formulas and to interpret data presented on graphs/diagrams [K_U24 (P6S_UK)]

3 formulate a text in German where he/ she explains/ describes a selected field in specific topics [K_U23 (P6S_UK)]

4 to read and understand mathematical texts and technical documents, operating manuals for electrical devices and similar documents [K_U24 (P6S_UK)]

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 [K_K01 (P6S_KK)]



EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS) pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

2 The student is able to recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment [K_K07 (P6S_KO)]

3 The student is able to independently search for information in specialist literature in German [K_K05 (P6S_KK)]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment: assessment during language classes: oral performance, written assignements, speech/presentation, tests

Summative assessment: final examination

Programme content

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

Brainstorming, Mind Mapps, Snowball Technique

Bibliography

Basic Steinmetz, M./ Dintera, H.: Deutsch für Ingenieure, Ein DaF Lehrwerk für Studierende ingenieurwissenschaftlicher Fächer, Springer Vieweg 2014

Additional

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



EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS) pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

Breakdown of average student's workload

	Hours	ECTS
Total workload	90	3
Classes requiring direct contact with the teacher	60	2
Student's own work (preparing a presentation, preparing for tests, homework, preparing and final examination) ¹	30	1

¹ delete or add other activities as appropriate