COURSE DESCRIPTION CARD - SYLLABUS

Course name

German language

Course

Field of study

Biomedical engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

elective

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

60

Projects/seminars

Number of credit points

6

Lecturers

Responsible for the course/lecturer:

mgr Joanna Skrobała

email: joanna.skrobala@put.poznan.pl

tel. 61 665 24 91

Centrum Języków i Komunikacji

ul. Piotrowo 3a, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

The already acquired language competence compatible with level B1 (CEFR)

The ability to use vocabulary and grammatical structures required on the high school graduation exam with regard to productive and receptive skills

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 ought to acquire field specific vocabulary related to the following issues:

-systematics of machines

- machine tools

- gears and bearings

- basics of electrical 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:

- give a talk on 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 specific topic.

Social competences

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:

Formative assessment: tests during academic year (written and oral), presentations

Summative assessment: credit

Programme content

-Classification of machines

Machine tools - construction, principle of operation of a CNC machine tool.

Types of gears, characteristics and comparison, application and types of bearings - description and comparison, application

Defining basic concepts in the field of electrical engineering, reading diagrams.

Teaching methods

work with texts, discussion, team work, translation, films, individual written and oral deliverance, individual meetings with students, homework analysis, Moodle platform exercises…

Bibliography

Basic

Steinmetz, M/Dintera H.: Deutsch für Ingenieure, Springer View, Wiesbaden 2014

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

Additional

Jarosz, A., Jarosz, J.: Deutsch für Profis. Branża mechaniczna

Maenner, D.: Prüfungstraining telc Deutsch B1+ Beruf, Cornelsen Verlag, Berlin 2012

online: DEUMA Deutsch im Maschinenbau, 2004

Breakdown of average student's workload

	Hours	ECTS
Total workload	125	6,0
Classes requiring direct contact with the teacher	65	3,0
Student's own work (literature studies, preparation for classes/tutorials, preparation for tests/exam, presentation preparation) [1]	60	3,0

[1] delete or add other activities as appropriate