COURSE DESCRIPTION CARD - SYLLABUS

Course name
German language [S1ETI2>JNIEM2]

Course

Field of study
Education in Technology and Informatics

Year/Semester
2/4

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
0

Tutorials
60

Projects/seminars
0

Number of credit points

3,00

Coordinators

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Lecturers

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:
- basics of of thermodynamics

- basics of mechanics 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:

Learning outcomes presented above are verified as follows: Formative assessment: tests during academic year (written and oral), presentations Summative assessment: exam andd credit
100-91%: very good (5.0) 90-82%: good plus (4.5) 81-73%: good (4.0) 72-64%: satisfactory plus (3.5) 63-50%: satisfactory (3.0) 49-0%: unsatisfactory (2.0

Programme content

Define and explain terms, phenomena and processes basics of electronics and electrical engineering
Define and explain terms basics of nuclear and laser physics

Course topics

Electronics and electrical engineering: fundamentals of electrical circuit theory, electronic circuits, and issues relating to electrical energy. Nuclear and laser physics: fundamentals of nuclear physics, construction and principle of operation of lasers and their use in technology, telecommunications and medicine.

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	75	3,00
Classes requiring direct contact with the teacher	62	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	13	0,50