COURSE DESCRIPTION CARD - SYLLABUS

Course name
English [N1Energ2>JA3]

Course

Field of study
Power Engineering

Year/Semester
3/5

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
part-time

Requirements
elective

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
40

Projects/seminars
0

Number of credit points

4,00

Coordinators

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Lecturers

Prerequisites

Language competence compatible with level B1+(CERF). The ability to use vocabulary and grammatical structures required on the high school graduation exam regarding productive and receptive skills, and the vocabulary and concepts introduced during the 2nd and 3rd semester English courses. The ability to work individually and in a group. The ability to use various sources of information and reference works.

Course objective

To advance the student’s language competence towards level B2 (CEFR).To help the student achieve the ability to use general and field-specific language effectively, with respect to the following language skills: listening, reading, writing, speaking. To perfect the student’s ability to use field-specific texts and to familiarize the student with basic translation techniques. To develop the student's ability to recognize and express cause-effect relationships.To foster the habit of logical thinking (analysis and synthesis of information).

Course-related learning outcomes

Knowledge:
The student has acquired field-specific vocabulary related to the following issues: generation of

electrical energy,energy sources, types of energy, energy efficiency and conservation, waste management, heat transfer and new technologies.

Skills:
The student is able to use English to provide definitions of terms, and explain phenomena and processes referred to in the programme; interpret data presented on graphs/diagrams, interpret source materials; talk on field-specific and general topics, using an appropriate linguistic and grammatical repertoire.

Social competences:
The student is able to communicate effectively in general and field-specific areas, and communicate in English in public.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment: regular assessment of in-class performance and home assignments, quizzes. Summative assessment: two 60-minute written quizzes featuring a battery of tests. Successful completion of home assignments and a 50% score on the quizzes are required to obtain a pass. Final written and oral exam, level B2 (CERF).

Programme content

General topics: Chart description. Field-specific topics: Renewable and non-renewable sources of energy. Energy harvesting. Energy types, Law of Conservation of Energy. Energy conversions, Energy efficiency and conservation. Waste management. Heat transfer. Grammatical structures compatible with level B2 (CERF).

Course topics

General topics: interpretation and description of graphs
Specialized topics: renewable and non-renewable energy sources,
energy harvesting,
types and forms of energy,
energy efficiency,
sustainable development,
thermal conductivity,
waste management.
Grammatical structures consistent with the B2 (CERF) level.

Teaching methods

Classroom activities guided by the communicative approach.

Bibliography

Basic:
Dubis, A. and Firganek, J. 2006. English through Electrical and Energy Engineering. Kraków: Studium Praktycznej Nauki Języków Obcych Politechniki Krakowskiej.
Gajewska-Skrzypczak, I. and Sawicka, B. 2013. English for Electrical Engineering. Poznań: Publishing House of Poznan University of Technology

Additional:
Brieger, N, and Pohl, A. 2002. Technical English Vocabulary and Grammar. Summertown Publishing.
Murphy, R. 2012. English Grammar in Use. Cambridge: Cambridge University Press. (all levels)
Pople, S. 1999. Complete Physics. Oxford: Oxford University Press.
Taylor, L. 1996. International Express. Oxford: Oxford University Press. (all levels)
Internet sources - howstuffworks, sciencedaily, BBC (technology, science), Wikipedia

Breakdown of average student's workload

	Hours	ECTS
Total workload	112	4,00
Classes requiring direct contact with the teacher	42	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	70	2,50