COURSE DESCRIPTION CARD - SYLLABUS

Course name
English [S1Elmob1>JAng3]

Course

Field of study
Electromobility

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

4,00

Coordinators

mgr inż. Krystyna Ciesielska
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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: Energy storage.

Powering EVs. Efficiency and safety of EVs. Technological, environmental and ethical aspects of developing and using EVs.

Skills:
The student is able to use English to provide definitions of terms, and explain phenomena and processes referred to in the programme; interpret source materials; talk on field-specific and general topics, using an appropriate linguistic and grammatical repertoire; take notes and write a summary of a text.

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: ongoing assessment during classes (oral presentations, homework, tests)

Summative assessment: final credit

Passing threshold: 50%

Final written and oral exam, level B2 (CERF)

Programme content

General topics: environmental protection, modern technologies. Field-specific topics: Grammatical structures compatible with level B2 (CERF).

Course topics

Ways of storing electrical energy. Batteries. Supercapacitors. Powering EVs. Efficiency and safety of EVs. Technological, environmental and ethical aspects of developing and using EVs.

Teaching methods

Classroom activities guided by the communicative approach. Multimedia. Working with text.

Bibliography

Basic
Gajewska-Skrzypczak, I. and Sawicka, B. 2017. English for Electrical Engineering. 2nd ed. Poznań: Publishing House of Poznan University of Technology
System Perspectives on Electromobility Edition: 1.1 Publisher: Chalmers University of Technology; http://www.chalmers.se/en/areas-of-advance/energy/cei/ Pages/Systems-Perspectives.aspx Editor: Björn Sandén ISBN: ISBN 978-91-980973-1-3. Available online
Additional
Bailey, S. 2011. Academic Writing: A handbook for international students. Routledge.
Campbell, S. 2009. English for the Energy Industry. Oxford: Oxford University Press.
Dubis, A. and Firganek, J. 2006. English through Electrical and Energy Engineering. Kraków: Studium Praktycznej Nauki Języków Obcych Politechniki Krakowskiej.
Dummett, P. 2010. Energy English For the Gas and Electricity Industries. Andover: Heinle Cengage Learning.
Grzegożek, M. and Starmach, I. 2004. English For Environmental Engineering. Kraków: Studium Praktycznej Nauki Języków Obcych Politechniki Krakowskiej.
Murphy, R. 2012. English Grammar in Use. Cambridge: Cambridge University Press. (all levels)
Sarasini, S. 2014. Systems Perspectives on Renewable Power. Edition: 1.1. Publisher: Chalmers University of Technology. ISBN: 978-91-980974-0-5. Available online
Internet sources - howstuffworks, sciencedaily, BBC (technology, science), Wikipedia

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
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)	38	1,50