



COURSE DESCRIPTION CARD - SYLLABUS

Course name

English [S1MiTPM1>JANG1]

Course

Field of study

Materials and technologies for automotive industry

Year/Semester

1/2

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

5,00

Coordinators

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Lecturers

Prerequisites

Knowledge: Possessing language competence corresponding to level B1 according to the CEFR (Common European Framework of Reference for Languages). Skills: Mastery of grammatical structures and general vocabulary required for the basic level high school graduation exam in a foreign language, covering both productive and receptive skills. Social Competences: Ability to work independently and in a team; ability to use various sources of information.

Course objective

Bringing students' language competence to a minimum of level B2 (CEFR). Developing the ability to effectively use general academic language and specialized language relevant to their field of study, across the four language skills. Improving the ability to work with technical texts (familiarizing students with basic translation techniques). Enhancing the ability to function in the international job market and in everyday life.

Course-related learning outcomes

Knowledge:

1. The student should master technical vocabulary related to the following topics: types and categories of materials, mechanisms and forces in engineering, materials and technologies in the automotive

industry, health and safety elements, innovations and technologies in the automotive industry, presentations. The student should be able to define and explain terms, phenomena, and processes related to these topics.

Skills:

1. Student can express basic mathematical operations in a foreign language and interpret data presented in a diagram/chart. Student can conduct business correspondence in a foreign language. Student can give a presentation in a foreign language on a technical or popular science topic. Student can express himself/herself on general and technical topics using an appropriate range of vocabulary and grammatical structures.

Social competences:

1. Student can recognize and utilize/understand cultural differences in behavior and official and private conversations in a foreign language and a different cultural environment. Student can forecast social processes and phenomena (cultural, political, legal, economic) using standard methods and tools in the field of economics and the discipline of management sciences. Student should effectively communicate in a foreign language in a professional environment and typical everyday situations.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative Assessment:

- Ongoing assessment during classes (presentations, quizzes, essays)

Summative Assessment:

- Pass/Fail

Programme content

Objectives:

- Develop communication skills in academic, business, and social situations.
- Enhance language proficiency with a particular focus on specialized vocabulary related to basic engineering materials - metals and their alloys, ceramic, composite, and polymer materials, material structure, properties, and material selection for applications, material wear mechanisms, environmental protection, and material recycling methods.
- Familiarize students with materials used in the automotive industry.
- Introduce students to methods for interpreting and describing graphs.
- Introduce students to vocabulary in the field of algebra and geometry, necessary for expressing basic mathematical operations and describing shapes, figures, and solids.

Course topics

1. Elements of Mathematics
2. Description of Graphs
3. Description of Material Types
4. Material Categories
5. Properties of Kevlar
6. Properties and Applications of Materials - Engineering Materials
7. Engineering Materials
8. Types and Structure of Materials
9. Steel
10. Non-ferrous Materials
11. Polymers
12. Minerals and Ceramics
13. Shape Memory Alloys
14. EAP - Writing Emails in an Academic Context, Formal Correspondence, EAP - Paragraph Structure

Teaching methods

I. EXPOSITORY METHODS

1. Work with a textbook

This method involves using a textbook as the primary source of instruction and guidance for students.

The teacher may lead discussions, provide explanations, and assign exercises based on the textbook material.

2. Work with online text (professional articles - ESP)

This method utilizes online resources, such as professional articles, to expose students to authentic language and content related to their field of study. The teacher may guide students in analyzing, interpreting, and discussing the articles

Bibliography

Basic:

Bailey S, Academic Writing: A handbook for international students, Routledge 2011

Dignen B., Communicating Across Cultures , Cambridge University Press, Cambridge 2014. English for Academics, Book 1, Cambridge University Press Cambridge 2014)

Grzegożek M., Starmach I., English for Environmental Engineering.: Studium Praktycznej Nauki Języków Obcych Politechniki Krakowskiej, Kraków 2004 (EEE)

Hanf B., Angielski w technice, Wydawnictwo LektorKlett, Poznań 2001 (Pons)

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McCarthy M., O'Dell.F, Academic Vocabulary in Use, Cambridge University Press, 2008

McCarthy M., O'Dell F. , Academic Vocabulary in Use, wyd. 2 , Cambridge University Press, 2016

Murphy R., English Grammar in Use, wyd. 4, Cambridge University Press, Singapore 2012

Oshima A., Hogue A., Writing Academic English, wyd. 4, Longman, (2006)

Additional:

Ibbotson M., Engineering; Technical English for Professionals, Cambridge University Press, Cambridge, 2009

Sopranzi, S., Flash on English for mechanics, electronics technical assistance, ELI Publishing, Italy, 2016

strony internetowe: <https://www.thenakedscientists.com/>, <https://www.engineering.com/>,

<https://see.stanford.edu/>,

Breakdown of average student's workload

	Hours	ECTS
Total workload	125	5,00
Classes requiring direct contact with the teacher	60	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	65	2,50