COURSE DESCRIPTION CARD - SYLLABUS

Course name
English 2 [S1MiBP1>JA2]

Course

Field of study
Mechanical and Automotive Engineering

Year/Semester
2/4

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
English

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 Izabela Cichocka
izabela.cichocka@put.poznan.pl

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:
1. Has extended basic knowledge necessary to understand specialist subjects and specialist knowledge about the construction, construction methods, manufacturing and operation of a selected group of working, transport, thermal and flow machines covered by the diploma path.

2. Has elementary knowledge of the life cycle of machinery, recycling of machine elements and construction and consumables.
3. Has elementary knowledge of the impact of machinery and technology on the natural environment and global energy balances.

Skills:
1. Can obtain information from literature, the Internet, databases and other sources. Can integrate the obtained information, interpret and draw conclusions from it, and create and justify opinions.
2. Can prepare and present a short verbal and multimedia presentation devoted to the results of an engineering task.
3. Can use the following languages: native and international to a degree enabling the understanding of technical texts and writing with the use of dictionaries of technical descriptions of machines in their technical field (knowledge of technical terminology).
4. Can use verbal communication in one additional foreign language at the B2 level of the European System for the Description of Languages Education.

Social competences:
1. Is ready to recognize the importance of knowledge in solving cognitive and practical problems and to consult experts in case of difficulties in solving the problem on his own.
2. Is ready to initiate actions for the public interest.
3. Is willing to think and act in an entrepreneurial manner.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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Grades for tests (at least 3) and a presentation. Preparation for tutorials and active participation influence the final grade.

Programme content

Reaching high degree of academic, business and social communication. Revising and extending vocabulary within the scope of: general engineering (careers in engineering), mechanical engineering (mechanisms, the four-stroke engine, the diesel engine, the electric motor, methods of connection, corrosion, technical problems) and graphs. Advancing students' grammar towards level B2.

Course topics

Careers in engineering-classification/description, mechanisms-
kinds of motion/types of mechanisms, the four-stroke engine vs. the diesel engine- description, similarities and differences, the electric motor-describing components/describing functions/operation, methods of connection-classification/description/advantages and disadvantages,
corrosion-types/description/prevention/alloys and their susceptibility to corrosion, technical problems-heat/ abrasion/shocks/pressure/vibration) and describing graphs.

Teaching methods

classes

Bibliography

Basic
1. Glendinning, E.H. and Glendinning, N. 2008. Oxford English for Electrical and Mechanical Engineering. Oxford: Oxford University Press.
2. Ibbotson, M. 2009. Cambridge English for Engineering. Cambridge: Cambridge University Press.

Additional
1. Internet based materials
2. Evans, V. and Dooley, J. 2009. Enterprise Grammar 3. Newbury: Express Publishing.
3. Harding, K. and Taylor, L. 2005. International Express Intermediate. Oxford: Oxford University Press.
4. Richards Sopranzi, S. 2016. Flash on English for Mechanics and Electronics. Recanati: European

Language Institute.
5. Williams, I. 2007. English for Science and Engineering. Boston: Thomson.

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	60	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	40	2,00