



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

English [S1AiR1E>JAng2]

### Course

Field of study

Automatic Control and Robotics

Year/Semester

2/3

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 (e.g. online)

0

Tutorials

60

Projects/seminars

0

### Number of credit points

7,00

### Coordinators

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### Lecturers

### Prerequisites

Knowledge: The already acquired language competence compatible with level B1 (CEFR) Skills: The ability to use vocabulary and grammatical structures required on the high school graduation exam with regard to productive and receptive skills Social Competences: The ability to work individually and in a group; the ability to use various sources of information and reference works

### Course objective

1. Advancing student's language competence towards at least level B2 (CEFR) 2. Developing the ability to use academic and field specific language effectively in both receptive and productive language skills 3. Improving the ability to understand field specific texts (familiarizing students with basic translation techniques) 4. 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:

1. Computers in the world - [-]
2. Technology in use - [-]
3. Materials technology - [-]
4. Jointing and fixing techniques - [-]
5. Industrial design - [-]
6. Testing products - [-]
7. Engineering design - [-]
8. Technical problems - [-]
9. and to be able to define and explain associated terms, phenomena and processes - [-]

Skills:

Is able to obtain information from literature, databases and other sources also in a chosen foreign language [K1\_U1 (P6S\_UW)].

Can prepare documentation concerning the realisation of an engineering task in Polish and foreign language [K1\_U4 (P6S\_UW)].

Is able to give a presentation of results on an engineering task in Polish and foreign language [K1\_U5 (P6S\_UK)].

Can use a foreign language at level B2 of the Common European Framework of Reference for Languages sufficient to communicate, as well as to read with understanding data sheets, application notes, equipment manuals and descriptions of IT tools [K1\_U7 (P6S\_UK)].

Social competences:

Is ready to critically assess his/her knowledge; understands the need for and knows the possibilities of continuous training - improving professional, personal and social competence, is able to inspire and organize the learning process of others [K1\_K1 (P6S\_KK)].

Is ready to prioritise in order to complete a task defined by himself or others [K1\_K4 (P6S\_KO)].

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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Formative assessment: formal coursework assignments (presentations, tests)

Summative assessment: credit

### Programme content

1. Mathematical terms
2. Description of graphical / visual aids
3. General topics: computerization, computer and its uses, creative thinking
4. Technical topics: GPS, materials technology, Kevlar, jointing and fixing techniques
5. Industrial design; its trends and features
6. Trends in industrial design
7. Testing products in your own firm
8. Procedures and documentation in an engineering design
9. Description and interpretation of technical problems/faults

### Teaching methods

1. presentation, analysis of topics/problems shown on the board, lexical and grammatical tasks
2. discussion, teamwork, multimedia slide show
3. student's individual work

### Bibliography

Basic

1. Ibbotson, Mark. 2008. Cambridge English for Engineering. Cambridge: Cambridge University Press

Additional

1. Glendinning, Eric. 2009. Oxford English for Information Technology. Oxford: Oxford University Press

2. Williams, Ivor. 2007. English for Science and Engineering. Boston: Thomson

### Breakdown of average student's workload

	Hours	ECTS
Total workload	175	7,00
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)	115	4,50