



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

English [S1AiR2>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

Polish

Form of study

full-time

Requirements

elective

### Number of hours

Lecture

0

Laboratory classes

0

Other

0

Tutorials

30

Projects/seminars

0

### Number of credit points

2,00

### 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. Industrial design - [-]
2. Testing products - [-]
3. Engineering design - [-]
4. Technical problems - [-]
5. and to be able to define and explain associated terms, phenomena and processes - [-]

Skills:

As a result of the course, the student is able to:

1. give a talk on field specific or popular science topic (in English), and discuss general and field specific issues using an appropriate linguistic and grammatical repertoire - [K\_U01 K\_U05]
2. express basic mathematical formulas and to interpret data presented on graphs / diagrams - [K\_U07]
3. formulate a text in English where he/she explains/describes a selected specific topic - [K\_U07]

Social competences:

As a result of the course, the student is able to:

1. communicate effectively in a field specific / professional area, and to give a successful presentation in English - [K\_K01 K\_K04]
2. recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment - [K\_K02]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment: formal coursework assignments (presentations, tests)

Summative assessment: credit

### Programme content

1. Industrial design; trends and features
2. Testing products in your own firm
3. Procedures and documentation in an engineering design
4. Description and interpretation of technical problems/faults
5. General topic: creative thinking

### Course topics

1. What is industrial design / industrial design as a profession
2. Trends in industrial design
3. Testing products in your own firm: types of tests / "Eat your own dog food" policy
4. Procedures and documentation in an engineering design: types of drawings / describing design stages and procedures / dimensions and precision
5. Describing types of technical problem / assessing and interpreting technical faults / describing the causes of faults
6. Discussing repairs and maintenance / discussing technical requirements / feasibility study
7. Describing improvements and redesigns
8. General topic: creative thinking / individual work / brainstorming session

### Teaching methods

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

### Bibliography

Basic:

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

Additional:

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

#### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	20	1,00