POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name

English

Course

Field of study	Year/Semester
Automatic Control and Robotics	2/ 4
Area of study (specialization)	Profile of study
-	general academic
Level of study	Course offered in
First-cycle studies	polski
Form of study	Requirements
full-time	elective

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
0	0	0
Tutorials	Projects/seminars	
30	0	

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

Ewa Hołubowicz

email: ewa.holubowicz@put.poznan.pl

Responsible for the course/lecturer:

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)

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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. Tests and experiments in technology - [-]

2. Discussing relative performance - [-]

3. Recent developments in IT - [-]

4. Recent developments in robotics - [-]

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: final exam (written and oral)

Programme content

1. Computer models and simulations; types of tests in technology

2. Wind turbines, performancxe and suitability

3. Discussing relative performance

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4. Recent developments in IT (intelligent materials, cars, robots)

5. General topics: general oral topics required for the oral part of the final examination

6. Elements of grammar

7. Guided writing selected topics

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

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2
Classes requiring direct contact with the teacher	30	1
Student's own work (literature studies, preparation for classes,preparation for tests and exam) [1]	20	1

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[1] delete or add other activities as appropriate