STUDY MODULE DESCRIPTION FORM

Name of the module/subject **English**		Code **1010331421010910029**

Field of study **Information Engineering**	Profile of study (general academic, practical) **general academic**	Year /Semester **1 / 2**

Elective path/specialty **-**	Subject offered in: **English**	Course (compulsory, elective) **obligatory**

Cycle of study: **First-cycle studies**	Form of study (full-time, part-time) **full-time**

No. of hours				No. of credits **4**
Lecture: **-**	Classes: **4**	Laboratory: **-**	Project/seminars: **-**	

Status of the course in the study program (Basic, major, other) **other**	(university-wide, from another field) **university-wide**

Education areas and fields of science and art **technical sciences**	ECTS distribution (number and %**)** **4 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

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

Assumptions and objectives of the course:

1. Advancing students' language competence towards at least level B2 (CEFR).

2. Development of 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 on an international market and on a daily basis.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. As a result of the course student ought to acquire field specific vocabulary related to the following issues: 1. history- 3 generations of computers, electron tubes, transistors, integrated circuits - [-]

2. computer architecture and their applications in everyday life - [K_W06]

3. operating systems and their functions - [K_W06]

4. characteristics of computer networks, wired, wireless, LAN, WAN - [K_W07]

5. Internet and website design - [K_W11]

6. digital technology, internet telephony -VoIP, GPS and its applications - [K_W15]

7. and to be able to define and explain associated terms, phenomena and processes - [-]

Skills:

1. As a result of the course, the student is able to: - [-]

2. express basic mathematical formulas and to interpret data presented on graphs/diagrams - [K_W01]

3. conduct business correspondence in English - [K_U06]

4. 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]

Social competencies:

1. As a result of the course, the student is able to communicate effectively in a field specific/professional area, and to give a successful presentation in English - [K_K02]

2. The student is able to recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment - [K_K02]

Assessment methods of study outcomes

Formative assessment: based on continuous progress assessment (presentations, tests, MT test- in the first semester it includes: basic mathematical formulas, interpretation of data presented on graphs/diagrams, field specific vocabulary)

Summative assessment: credit

Course description

In the first semester of an English course syllabus comprises the following topics:

1. Basic mathematical formulas in English: geometry, trigonometry, equations. Students are able to name different shapes, figures, angles, triangles etc. They are able to read and describe equations in English.

2. Interpretation of data presented on graphs/diagrams. Students learn different types of graphs, charts (line graph, pie chart, bar/column chart), as well as extensive vocabulary needed for their interpretation.

3. Specific/technical vocabulary:

-history of the computers, characteristics of the 3 generations of computers, electron tubes, transistors, integrated circuits

-computer architecture and their applications in everyday life

-operating systems and their functions

-cache memory, data mining

- computer networks, wired, wireless, LAN, WAN, WLAN

-designing websites, features that make a good website

- internet telephony - VoIP, GPS

Students learn from their main two course books as well as from additional sources provided by the teacher.

Basic bibliography:

1. Eric H. Glendinning, John McEwan "Oxford English for Information Technology", 2nd edition, Oxford University Press, 2006.

2. Santiago Remacha Esteras, Elena Marco Fabre "Professional English in Use for Computers and the Internet", Cambridge University Press, 2007.

Additional bibliography:

1. C.M. Johnson, D. Johnson "General Engineering", Prentice Hall

2. Bodo Hanf "Angielski w technice", Wyd. LektorKlett

3. M. Grzegożek, I. Starmach "English for environmental engineering", Kraków 2004

4. A. Kucharska-Raczunas, J. Maciejewska "English for mathematics for students of technical studies", Gdańsk 2010.

5. Mark Ibbotson "Cambridge English for engineering", CUP 2008.

6. Anne Freitag-Lawrence "Business Presentations", Longman 2003.

7. Erica J. Williams "Presentations in English", Macmillan 2008.

8. K.Harding, Liz Taylor "International Express", Oxford University Press, 2005.

9. and internet sources e.g. www.sciencedaily.com, www.howstuffworks.com , www.newscientists.com

Result of average student's workload

Activity	Time (working hours)
1. preparing for tests	20
2. preparing homeworks, additional assignments	20
3. preparing a talk, presentation on field specific topic	20

Student's workload

Source of workload	hours	ECTS
Total workload	120	4
Contact hours	60	2
Practical activities	60	2