

Code	I.5.
Course Title (English)	. Communication skills
Course Title (Polish)	Język angielski
Credits	2 ECTS

*Language of instruction*

**English**

*Programme*

Computer Modelling and Simulation, Intelligent Energy, Biotechnology for Environmental Protection

*Type of studies*

BSc studies

*Unit running the programme*

CUT Department of Foreign Languages

*Course coordinator and academic teachers*

**Zofia Sobańska, MA (CC)**

Zofia Sobańska, MA, (Tut.), Marian Gałkowski, MA. (Tut.)

*Form of classes and number of hours*

Semester	Lec.	Tut.	Lab.	Proj.	Sem.	Credit points
1		60	-	-	-	2
2		60	-	-	-	2

*Learning outcomes*

The aim of the course is to improve EFE students' professional communication skills. It teaches them the language and skills that are deemed necessary to function effectively in an academic environment. The course focuses on four basic language skills: listening, speaking, reading and academic writing. Thus, the main learning outcome for the students will be the acquisition of a good command of English in the scope indispensable for dealing with all sorts of language challenges during their studies.

*Prerequisites*

Knowledge of English at intermediate/upper-intermediate level (B1/B2 level in CEFR nomenclature), ability to work individually and in groups, mental abilities to employ different sources of information, also in the English language.

*Course description*

LECTURE

Not applicable

TUTORIALS:

The course covers the language occurring in academic contexts (lectures, seminars, textbooks, articles, etc). The language taught aims at using it for discussions and applying it in all fields of engineering as well as in more specific contexts, e.g. mechanical engineering, computer engineering, environmental engineering, etc. The course includes

the following issues:

1. Dimensions, shapes, units of measurement, numbers, calculations;
2. Design (drawings, design development, design solutions);
3. Measurement (horizontal and vertical measurements, locating and setting out, dimensions of circles, dimensional accuracy, area, size and mass, measurable parameters);
4. Language used in mathematics, physics and chemistry;
5. Materials technology (material types, material properties);
6. Manufacturing and assembly (mechanical fasteners, non-mechanical joints);
7. Static and dynamic principles (load, stress and strain, force, deformation and failure, structural mechanics, motion and simple machines, moving parts);
8. Energy (forms of energy, energy efficiency, work and power);
9. Fluids (fluid containment, fluid pressure, fluid dynamics);
10. Computer architecture;
11. Application software;
12. Biotechnology;
13. Environmental issues;
14. Technology in use (describing technical functions and applications, explaining how technology works, simplifying and illustrating technical explanations);
15. Technical development (discussing technical requirements, suggesting ideas and solutions, assessing feasibility, describing improvements and redesigns);
16. Company structure and typical activities;
17. Special features of Academic English (key nouns, verbs, adjectives, adverbs, quantifying expressions);
18. Phrasal verbs and prepositional phrases in Academic English;
19. Nouns, verbs and the words they combine with;
20. Fixed expressions (e.g. in a variety of ways, with the exception of, be that as it may);
21. Facts, evidence and data (e.g. hard evidence, empirical data, account for the fact that);
22. Statistics, graphs and diagrams: basic terms, types of diagrams, describing graphs and diagrams;
23. Analysis of results: analysis in academic texts, weighing up results, terms relating to analyses;
24. Making presentations in English: language, advice, delivery tips;
25. Describing research methods; written statements of the aims of research;
26. Organising your writing: opening, organising the main points;
27. Describing technological processes and procedures.

LABORATORY

Not applicable

PROJECT

Not applicable

SEMINAR

Not applicable

*Form of assessment*

Credit

*Basic reference materials*

1. M. Ibbotson: "Professional English in Use – Engineering", CUP 2009
2. Arthur Mckeown, Ros Wright: "Professional English in Use – Management", CUP 2011
3. Santiago Remacha Esteras, Elena Marco Fabre: "Professional English in Use – ICT", CUP 2009
4. M. McCarthy: "Academic Vocabulary in Use", CUP 2008
5. M. Ibbotson: "Cambridge English for Engineering", CUP 2008
6. L.L. Szkutnik: "Elementary Scientific English", PWN 1986
7. A. Krukiewicz-Gacek, A. Trzaska: „English for Mathematics”, Wydawnictwa AGH 2010
8. E.J. Williams: "Presentations in English", Macmillan 2008
9. I. Williams: "English for Science and Engineering", Thomson LTD 2001

*Other reference materials*

1. K. Hadley, A. Treger, Z. Ugarow: "Technology and Science", Edgard 2006
2. T. Lynch: "Study Listening", CUP 2008
3. M. Wallace: "Study Skills in English", CUP 2009
4. B. Hanf: „Angielski w Technice”, Lektorklett 2001
5. D. Gawryła: „Mechanical Engineering”, Wydawnictwo Politechniki Krakowskiej 2008
6. N. Briger, A. Pohl: "Technical English Vocabulary and Grammar", Summertown Publishing 2002
7. D. Bonamy: "Technical English", Longman Pearson 2008
8. "Dictionary of Contemporary English", Pearson Education Limited 2009, and other dictionaries.

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Average student workload (teaching hours + individ. )	12 hours of teaching + 8 hours of individual work per week
Remarks:	
<i>Updated on:30.09.2011</i>	