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
Artificial intelligence	2/4
Area of study (specialization)	Profile of study
-	general academic
Level of study	Course offered in
First-cycle studies	English
Form of study	Requirements
full-time	compulsory

Number of hours

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

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

Łukasz Woźniakowski, MA

email: lukasz.wozniakowski@put.poznan.pl

Responsible for the course/lecturer:

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Prerequisites

Knowledge: Language proficiency corresponding to the B1 level according to the CEFR description of language proficiency levels

Skills: Mastering the grammatical structures and general vocabulary required for the secondary school leaving exam (matura) in a foreign language in terms of productive and receptive skills

Social competencies: Ability to work independently and in a team; the ability to use various sources of information

Course objective

1. Bring students' language competencies to a minimum level of B2 according to CEFR

2. Develop students' ability to effectively use general academic language as well as language specific to the field of computer science in terms of four language skills

3. Improve students' ability to work with technical texts

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4. Develop students' skills to help them succeed in the international labour market and everyday life.

Course-related learning outcomes

Knowledge

By the end of the semester, students will master the technical vocabulary related to the following topics:

1. Artificial intelligence - [-]

2. Machine learning and deep learning - [-]

3. The future of IT and AI - [-]

4. The digital divide - [-]

Students will also be able to define and explain the terms, phenomena and processes related to the above topics.

Skills

By the end of the course, students will able to effectively:

1. give a presentation in English on a technical or popular science topic, and talk about general and technical topics using the appropriate vocabulary and grammatical structures - [K_U01 K_U05]

2. express basic mathematical operations in English and interpret data presented in a diagram / chart - [K_U04]

3. write a text in English explaining / describing a selected technical issue - [K_U07]

Social competences

By the end of the course, students will be able to:

1. communicate effectively in English in a professional environment and in typical everyday situations, as well as use their language skills effectively to speak in public - [K_K01 K_K04]

2. recognize and use / understand cultural differences in behaviour, as well as business and private conversation in English, 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: ongoing assessment in class (presentations, tests, writing tasks)

Summative assessment: course credit

Programme content

1. Artificial intelligence

2. Machine learning and deep learning

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3. The digital divide

4. The future of IT and AI

5. Academic writing: graph descriptions and longer written forms

6. Student projects

7. Speaking exam practice

Teaching methods

1. presentation, discussing issues using examples given on the board, doing vocabulary and grammar exercises

2. discussions, teamwork, multimedia presentations, projects

3. individual student work

Bibliography

Basic

Watson, D., & Williams, H. (2019). Cambridge International AS and A level Computer Science. Hodder Education Group.

Additional

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Glendinning, E. H., & McEwan, J. (2006). Information Technology. Oxford University Press.

Boeckner, K., & Brown, P. Ch. (1993). Oxford English for Computing. Oxford University Press.

McCarthy, M., & O'Dell, F. (2016). Academic Vocabulary in Use (2nd ed.). Cambridge University Press.

McCarthy, M., & O'Dell, F. (2008). Academic Vocabulary in Use. Cambridge University Press.

Bailey, S. (2011). Academic Writing: A handbook for international students. Routledge.

Hewings, M. (2012). Cambridge Academic English, Upper Intermediate. Cambridge University Press.

Dignen, B. (2014). Communicating Across Cultures. Cambridge University Press.

English for Academics, Book 1. (2014). Cambridge University Press.

Oshima, A., & Hogue, A. (2006). Writing Academic English (4th ed.). Longman.

Banks, T. (2012). Writing for Impact. Cambridge University Press.

Thoreau, M. (2010). Write on Track: A Guide to Academic Writing. Longman.

POZNAN UNIVERSITY OF TECHNOLOGY

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Emmerson, P. (2003). Email English. Macmillan.

Jordan, R., R. (2008). Academic Writing Course. Longman.

Breakdown of average student's workload

	Hours	ECTS
Total workload	40	1,0
Classes requiring direct contact with the teacher	30	0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	10	0

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[1] delete or add other activities as appropriate