POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

COURSE DESCRIPTION CARD - SYLLABUS

Course name
English [S1DSwB1>ANG2]

Course

Field of study	Year/Semester
Data Science in Business	1/2
Area of study (specialization)	Profile of study
–	general academic
Level of study	Course offered in
first-cycle	Polish
Form of study	Requirements
full-time	compulsory

Number of hours

Lecture	Laboratory classes	Other
0	0	0
Tutorials	Projects/seminars	
30	0	

Number of credit points

2,00

Coordinators	Lecturers
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Prerequisites

Possession of language proficiency at the B1 level according to the Common European Framework of Reference for Languages (CEFR). Mastery of grammatical structures and general vocabulary required for the basic-level high school graduation exam in a foreign language, covering both productive and receptive skills. Ability to work independently and collaboratively, as well as the ability to utilize various information sources.

Course objective

The objective of this course is to develop students' language proficiency in English within academic and business contexts, with a particular focus on terminology related to data analysis, artificial intelligence, and business. Students will learn to communicate effectively in an international environment, interpret technical and scientific texts, and prepare presentations and reports in English. The course aims to elevate students' language proficiency to at least the B2 level according to the CEFR framework.

Course-related learning outcomes

Knowledge:
Identifies and explains vocabulary, grammatical structures, and expressions commonly used in academic

and business communication in English [DSB1_W08]

Skills:
1. Reads and interprets specialized English-language texts on data analysis, machine learning, and business technologies [DSB1_U12].
2. Prepares well-documented studies on data science problems in business in a foreign language [DSB1_U12].

Social competences:
1. Engages in international collaboration and knowledge exchange, using English as a communication tool in interdisciplinary teams [DSB1_K04].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment:
• Ongoing evaluation during classes (presentations, quizzes, written assignments)
Summative assessment:
• Final credit/exam

Programme content

Expanding vocabulary in the fields of business and data analytics.
Developing skills in reporting results and interpreting data.
Creating professional correspondence in English.

Course topics

Organizational Structure and Processes in a Company
• Describing the hierarchy in a company, positions, and responsibilities.
• Vocabulary related to management and work organization.
Introduction to Data Analysis Language
• Key terms related to data analysis and statistics (mean, median, outliers, correlation).
• Describing methods of data collection and processing.
Trend Analysis and Reporting Results
• Interpretation and description of charts, tables, and statistics.
• Creating short reports in English.
Creating a CV and Cover Letter in English
• Writing a CV in an international format.
• Preparing a cover letter for a job in the Data Science field.
Preparing for an Interview in English
• Simulations of job interviews.
• How to answer questions about technical and analytical skills.
Semester Summary
• Presentation of a prepared business report or case study analysis.

Teaching methods

I. Expository Methods
1. Working with Books
2. Working with Online Texts (specialized articles - ESP)
II. Inquiry-Based Methods
1. Problem-Solving Methods
o Case study
o Brainstorming
o Role-playing
o SWOT analysis
o Expert table method
o Educational games
2. Practice-Oriented Methods
o Grammar and vocabulary exercises

o Translation tasks
o Presentations
o Writing assignments
3. Discussion-Based Methods
o Oxford debate
o Pair dialogue
4. Exposure-Based Methods
o Drama
o Film analysis
o Listening exercises

Bibliography

Basic:
Hughes, J. / Naunton J. 2012. Business Result DVD Edition: Intermediate. Oxford University Press.
Hughes, J. / Naunton J. 2012. Business Result - Skills for Business Studies (Skills). Oxford University Press.

Additional:
Cook, R. / Pedretti, M. 2008 Success with BEC. Summertown Publishing.
Hanf, B. 2001. Angielski w Technice. LektorKlett.
Grzegożek, M. / Starmach, I. 2004. English for Environmental Engineering. Politechnika Krakowska.
Kucharska-Raczunas, A. / Maciejewska, J. 2009. English for Mathematics. Politechnika Gdańska.

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