COURSE DESCRIPTION CARD- SYLLABUS

Course name
English Course (mathematical)

Course

Field of study
Mathematics in Technology
Area of study (specialization)
—
Level of study
first-cycle studies
Form of study
full-time

Year/Semester
1/1
Profile of study
general academic
Course offered in
Polish
Requirements
elective

Number of hours

Lectures
—
Laboratory classes
—
Other (e.g. online)
—
Tutorials
60
Projects/seminars
—

Number of credit points

3

Lecturers

Responsible for the course/lecturer::
mgr Alicja Wegwerth-Kurpiewska

Responsible for the course/lecturer::
—

Prerequisites

- The already acquired language competence compatible with level B1 (CEFR).
- The ability to use vocabulary and grammatical structures required on the high school graduation exam with regard to productive and receptive skills.
- The ability to work individually and in a group; the ability to use various sources of information and reference works.

Course objective

- Advancing students' language competence towards at least level B2 (CEFR).
- Development of the ability to use academic and field specific language effectively in both receptive and productive language skills.
- Improving the ability to understand field specific texts (familiarizing students with basic translation techniques).
- 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 is able to

- ought to acquire field specific vocabulary related to the following issues: describing graphs, mathematical terms and symbols, mathematical operations, matrices, mathematical functions, differential calculus;
- is familiar with appropriate linguistic grammatical structures and uses them effectively in written and oral utterances.

Skills
As a result of the course, the student is able to

- express basic mathematical operations and to interpret data presented on graphs/diagrams;
- formulate a text in English where he/she explains/describes a selected field specific topic.

Social competences
As a result of the course, the student is able to

- retrieve information on his/her own from field specific texts in English;
- communicate effectively in a field specific/professional area and on a daily basis;
- recognize and understand cultural differences in a professional and private conversation, and in a different cultural environment.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Tutorials:

- formative assessment: in-class evaluation (tests, MT tests);
- summative assessment: credit.

Programme content

Update: 31.01.2020r.

Tutorials: describing graphs, mathematical terms and symbols, mathematical operations, matrices, mathematical functions, differential calculus.

Teaching methods

Tutorials: new vocabulary practice, e.g. pronunciation practice, speaking activities, e.g. students' dialogues, conversations, discussions, written tasks, matching definitions, multimedia activities.

Bibliography

Basic

- Krukiewicz-Gacek, A./ Trzaska, A. 2012. English For Mathematics. Kraków: AGH.

Additional

- Kucharska-Raczunas, A./ Maciejewska, J. 2010. Mathematics For Students Of Technical Studies. Gdańsk: Wydawnictwo Politechniki Gdańskiej.

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	60	2,0
Student's own work (preparation for classes, homework, preparation for tests, class tests)	15	1,0