COURSE DESCRIPTION CARD - SYLLABUS

Course name
English Course [S1MNT1>JAng1]

Course

Field of study
Mathematics of Modern Technologies

Year/Semester
1/1

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
full-time

Requirements
elective

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
60

Projects/seminars
0

Number of credit points

2,00

Coordinators

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Lecturers

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:
• oughttoacquirefieldspecificvocabularyrelatedtothefollowingissues:describinggraphs,mathematical terms and symbols, mathematical operations, mathematical analysis, linear algebra [K_W 03(P 6S_WG)];

• is familiar with appropriate linguistic grammatical structures and uses them effectively in written and oral utterances (in English) [K_W03(P6S_WG)].

Skills:
• express basic mathematical operations and to interpret data presented on graphs/diagrams [K_U15(P6S_UK)];
• formulateatextinEnglishwherehe/sheexplains/describesaselectedfieldspecifictopic[K_U15(P6S_UK)].

Social competences:
• retrieve information on his/her own from field specific texts in English [K_K01(P6S_KK)];
• communicate effectively in a field specific/professional area and on a daily basis [K_K01(P6S_KK)].
• and he is ready for further education due to the awareness of the limitations of his own knowledge [K_K01(P6S_KK)].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Tutorials:
• formative assessment: in-class evaluation (tests);
• summative assessment: credit.

Programme content

Update: 28.09.2024r.
Tutorials: describing graphs, mathematical terms and symbols, mathematical operations, mathematical analysis, linear algebra, analytic geometry, modern technologies.

Course topics

The tutorial programme covers the following topics:
describing graphs
mathematical analysis
linear algebra
analytic geometry
modern technologies
reading and listening comprehension practice
elements of grammar
EAP Module

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;
• Łyczko, A. 2015. English For Mathematics. Kraków: SPNJO.
• Brown, G./Sargent, B. 2021. Cambridge International AS Level Information Technology. London: Hodder Education Group

Breakdown of average student's workload

	Hours	ECTS
Total workload	67	2,00
Classes requiring direct contact with the teacher	60	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	7	0,00