COURSE DESCRIPTION CARD - SYLLABUS

Course name
English

Course

Field of study
Technical Physics

Year/Semester
1/2

Area of study (specialization)

Profile of study
general academic

Level of study
Second-cycle studies

Course offered in
English

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials
60

Projects/seminars

Number of credit points

3

Lecturers

Responsible for the course/lecturer:
Karol Matysiak, MA
e-mail: karol.matysiak@put.poznan.pl

Centrum Języków i Komunikacji PP

ul. Piotrowo 3a, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

Language competence corresponding to the CEFR B2 level.

Mastered grammatical structures and general vocabulary required for the first-cycle foreign language exam in the range of productive and receptive skills

Ability to work independently and in a team; ability to use various sources of information

Course objective

1. Bringing the language competence of students to the minimum CEFR B2+ level.

2. Developing the ability to use effectively general academic and specialist language appropriate for a given field of study within the scope of four language skills.

3. Improving the ability to work with a technical text.

4. Improving the ability to function on the international labour market and in everyday life.

Course-related learning outcomes

Knowledge

As a result of teaching, the student should master the technical vocabulary related to the following topics:

Planning a career in engineering, application for research funding, communication in scentific communities, attending conferences, writing a critical review, desiging an experiment, material properties, process descritpion, abstracts.

Skills

As a result of teaching, the student should effectively:

deliver a presentation in English on a technical or popular science topic

conduct business correspondence in English

understand and analyze world literature in a given field of education

Social competences

As a result of teaching, the student should communicate effectively in English in a professional environment and in typical everyday situations, and should have the ability to speak in public.

The student is able to recognize and use / understand cultural differences in behaviour

and a business and private conversation in English, and in a different cultural environment.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Continuous assessment during the semester - partial grades as the basis for a semester credit with a grade. Tests of knowledge acquired during the tutorials. Assessment of homework. Assessment of a presentation, multiple choice tests, matching/gap filling/True False/.

100-91%: very good (5.0)

90-82%: good plus (4.5)

81-73%: good (4.0)

72-64%: satisfactory plus (3.5)

63-50%: satisfactory (3.0)

49-0%: unsatisfactory (2.0)

5 Very good - excellent knowledge, skills and competences

4.5 Good plus - very good knowledge, skills and competences

4 Good - good knowledge, skills and competences

3.5 Sufficient plus - satisfactory knowledge, skills, competences, but with significant shortcomings

3 Sufficient - satisfactory knowledge, skills, competences, with numerous errors

2 Insufficient - unsatisfactory knowledge, skills and competences

Programme content

As a result of teaching, the student knows:

• the types of laboratory test equipment

• the issues of nanotechnology

• the graphene production process as well as its properties and applications

The programme includes elements of written English: writing definitions, summaries, description of results.

The programme includes grammar and formal vocabulary at the B2+/ C1 level.

Teaching methods

Group work

Pair work

Individual presentations

Audiovisual method

Student's own work

Consultation during the teacher's office hours

Bibliography

Basic

Armer, Tamzen. 2011. Cambridge English for Scientists. Cambridge: Cambridge University Press.

Additional

MacCarthy, Michael, Felicity O'Dell. 2010. Academic Vocabulary in Use. Cambridge: Cambridge University Press.

Kenny, Nick, Jacky Newbrook. 2014. Cambridge English Advanced Practice Tests Plus 2. Essex: Pearson.

Harrison, Mark, Russell Whitehead. 2009. IELTS Practice Tests. Boston: Thomson.

Breakdown of average student's workload

	Hours	ECTS
Total workload	90	3,0
Classes requiring direct contact with the teacher	60	
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	30	

[1] delete or add other activities as appropriate