COURSE DESCRIPTION CARD - SYLLABUS

Course name

English - specialist language

Course

Field of study

Aerospace engineering

Year/Semester

2/3

Area of study (specialization)

Unmanned Aerial Vehicles

Profile of study

general academic

Level of study

Second-cycle studies

Course offered in

polish

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

15

Projects/seminars

0

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

Kinga Komorowska

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tel. 698921394

Centrum Języków i Komunikacji

ul. Piotrowo 3A, 60-965 Poznań

Responsible for the course/lecturer:

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Prerequisites

When entering the course a student ought to have language competence corresponding to a minimum level of B2 according to the description of language proficiency levels (CEFR). They ought to be able to obtain information from literature, databases and other sources. They also should be aware of the responsibility for their own work, be ready to comply with the principles of teamwork and take responsibility for their role as well as be aware of the importance of professional behaviour and follow the rules of professional ethics.

Course objective

1. Developing the skills of effective use of general and specialist languages in a work environment.

2. Improving the skills of working with technical texts on technical issues.

3. Improving the ability to function on the international job market.

Course-related learning outcomes

Knowledge

1. has an orderly, theoretically founded general knowledge covering key issues in the field of the impact of aviation on the natural environment, emission of toxic compounds from aircraft propulsion, acoustic emission of flying objects

2. has basic knowledge necessary to understand social, economic, legal and other non-technical determinants of engineering activity

Skills

1. is able to use the following languages: native and international to a degree enabling the understanding of technical texts and writing technical descriptions of machines in the field of aviation and aerospace using dictionaries (knowledge of technical terminology)

2. has the ability to self-educate with the use of modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books

3. can obtain information from literature, the Internet, databases and other sources. Can integrate the obtained information, interpret and draw conclusions from it, and create and justify opinions

Social competences

1. Is ready to critically evaluate the knowledge and content received, recognize the importance of knowledge in solving cognitive and practical problems, and consult experts in case of difficulties in solving the problem on its own

2. understands the need for lifelong learning; can inspire and organize the learning process of other people

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1. Formative assessment: current assessment during classes (presentations, tests)

2. Summative assessment: passing grade (credit)

Programme content

1. Landing at difficult airports with topographical obstacles

2. Landing gear failure procedures

3. Construction of the chassis

4. Three basic chassis configurations

5. The impact of aviation on environmental pollution

6. Aviation fuel

7. General issues: some oral topics covered by the exam

8. Grammar issues

9. Guided writing specialist issues

Teaching methods

Seminar lecture ("external dialogue" between the lecturer and the student; students participate in solving the problem)

Bibliography

Basic

1. Emery, Henry. Roberts, Andy. 2008. Aviation English for ICAO Compliance. Macmillan

2. Czerwiński, Piotr. Fleszar, Mateusz. 2015. English for Aviation Engineering . Rzeszów: Oficyna wydawnicza Politechniki Rzeszowskiej.

Additional

1. Ellis, Ssue. Gerighty, Terence 2012. English for Aviation. Oxford

Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for laboratory classes, preparation for test) [1]	15	0,5

[1] delete or add other activities as appropriate