COURSE DESCRIPTION CARD - SYLLABUS

Course name
English

Course

Field of study
Aerospace Engineering

Year/Semester
3/5

Area of study (specialization)

Profile of study
general academic

Level of study
First-cycle studies

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture

Laboratory classes
0

Other (e.g. online)

Tutorials
30

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:
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ul. Piotrowo 3A, 60-965 Poznań

Responsible for the course/lecturer:
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Prerequisites

Knowledge: 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)

Skills: Mastering grammatical structures and general vocabulary required in the basic matura exam in a foreign language in the field of productive and receptive skills

Social competences: 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 level B2 (CEFR).

2. Developing the skills of effective use of the academic language and a specialist language appropriate for a given field, in terms of four language skills.

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

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

Course-related learning outcomes

Knowledge

1. Has basic knowledge of the vocabulary used in English to describe the technological support of air communication, flight control systems, safety procedures at the airport related to the presence of animals, airplane control surfaces, maneuvers performed by the aircraft

2. Has basic knowledge of the vocabulary used in English to describe mathematical operations and the data presented in the diagram / graph. Has knowledge of formulating a text in English explaining / describing a selected specialist issue

Skills

1. Can give a presentation in English on a technical or popular science topic, and can express himself/herself on general and technical topics using an appropriate vocabulary and grammatical structures

2. Can express basic mathematical operations in English and interpret data presented in a diagram / graph. formulate a text in English explaining / describing the selected specialist issue

3. Can use one additional foreign language in verbal communication at the level of everyday language, can describe in this language issues related to the field of study, can prepare technical descriptive and drawing documentation of an engineering, transport and / or logistic task

4. Can 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)

Social competences

1. Understands the need for lifelong learning; can inspire and organize the learning process of other people

2. he is ready to critically assess his knowledge and received content, recognize the importance of knowledge in solving cognitive and practical problems, and consult experts in the event of difficulties with solving the problem on his own

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. Technologies used in flight control,

2. Instruments in the cockpit

3. Dangerous situations resulting from the presence of animals at the airport and its airspace

4. Transporting animals by air

5. Collision of an airplane in flight with a bird

6. Airplane control surfaces? rules related to maneuvering the aircraft

7. Advantages and disadvantages of ultralight rotor aircraft

8. Consequences of loss of hydraulic systems

Teaching methods

The exercise method (subject exercises, practice exercises) - in the form of auditorium exercises (application of acquired knowledge in practice - may take various forms: solving cognitive tasks or training psychomotor skills; transforming a conscious activity into a habit through repetition)

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	55	2,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for classes, preparation for tests,) [1]	25	1,0

[1] delete or add other activities as appropriate