COURSE DESCRIPTION CARD - SYLLABUS

Course name
English 4 [S1Lot2>JA4]

Course

Field of study
Aviation

Year/Semester
2/4

Area of study (specialization)
Aircraft Engines and Airframes

Profile of study
general academic

Level of study
first-cycle

Course offered in
English

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
30

Projects/seminars
0

Number of credit points

2,00

Coordinators

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Lecturers

Prerequisites

1. When entering the course a student ought to have language competence corresponding to a minimum level of B1 according to the description of language proficiency levels (CEFR). 2. They ought to be able to obtain information from literature, databases and other sources. 3.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. 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 the aviation 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 ordered and theoretically founded general knowledge in the field of key technical issues and

detailed knowledge of selected issues related to air transport, knows the basic techniques, methods and tools used in the process of solving tasks related to air transport, mainly of an engineering nature
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, 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, aircraft control surfaces, maneuvers performed by plane

Skills:
1. has English skills, in accordance with the requirements specified for level B2 of the European System for the Description of Languages

Social competences:
1. can think and act in an entrepreneurial way, incl. finding commercial applications for the created system, bearing in mind not only the business benefits, but also the social benefits of the conducted activity

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

Landing gear
The impact of aviation on the environment
Exam topics

Course topics

1. Elements and types of landing gear
2. Landing gear configurations
3. Landing on airports with topographic obstacles
4. Procedures related to landing gear failure
5. Impact of aviation on air pollution and greenhouse effect
6. Contrails and cirrus aviaticus
7. Impact of aviation on environmental pollution (other than air pollution)
8. Ways to reduce the negative impact of aviation on environment
9. EAP - writing a paragraph
10. Specialist topics
11. Preparation to the exam - general topics
12. Grammar topics

Teaching methods

Practical language exercises - presentation and consolidation of language content and skills illustrated with multimedia, examples on the board, written exercises, oral exercises (dialogues, discussions, building argumentation), listening and reading exercises, interactive online exercises (e.g. Kahoot, Quizlet)

Bibliography

Basic:
1. Kubot A., Maćków W., Mathematics and Graphs - Vocabulary Practice for Academic English Studies, Wydawnictwo Politechniki Poznańskiej, Poznań, 2015.
2. Emery H., Roberts A., Aviation English for ICAO Compliance, Macmillan, Oxford, 2008.

Additional:
1. English for Academics, In collaboration with British Council, Cambridge University Press, Cambridge, 2018.

2. Czerwiński P., Fleszar M., English for Aviation Engineering, Oficyna wydawnicza Politechniki Rzeszowskiej, Rzeszów, 2015.
3. Czerwiński P., Fleszar M., Expect the Unexpected, Oficyna wydawnicza Politechniki Rzeszowskiej, Rzeszów, 2018.
4. Emery H., Roberts A., Check Your Aviation English for ICAO Compliance, Macmillan, Oxford, 2008.

Breakdown of average student's workload

	Hours	ECTS
Total workload	47	2,00
Classes requiring direct contact with the teacher	32	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	15	0,50