COURSE DESCRIPTION CARD - SYLLABUS

Course name
English 3 [S1Lot2>JA3]

Course

Field of study
Aviation

Year/Semester
2/3

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. Raising students' language competence to a minimum level of B2 (CEFR). 2. Developing the ability to effectively use general academic language and specialist language, appropriate for the Aviation major, in the four language skills. 3. Improving the ability to work with technical texts on engineering topics. 4. Improving the ability to function on the international labor market and in everyday life.

Course-related learning outcomes

1. Has structured and theoretically based general knowledge of key technical issues and detailed knowledge of selected issues related to air transport, knows 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 vocabulary used in English to describe mathematical operations and data presented in a diagram/graph. Has knowledge of formulating a text in English explaining/describing a selected specialist issue, has basic knowledge of vocabulary used in English to describe technological support for air communication, flight control systems, airport safety procedures related to the presence of animals, aircraft control surfaces, aircraft maneuvers
3. Has language skills in English, in accordance with the requirements specified for level B2 of the Common European Framework of Reference for Languages
4. Is able to think and act in an entrepreneurial manner, including finding commercial applications for the system being created, taking into account not only the business benefits but also the social benefits of the business conducted

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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)

Programme content

1. The composition of the atmosphere.
2. Meteorology
3. Onboard fires
4. Medical problems

Course topics

1. The composition and division of the atmosphere
2. International Standard Atmosphere (ISA)
3. Air circulation; types of winds
4. Microburst
5. Determining weather conditions
6. Approach and landing in stormy conditions
7. Fire on board - transport of hazardous materials
8. Types of fires in terms of when and where they start as well as what causes them
9. Procedures connected with fire on board
10. Passenger's medical problems and crew reaction
11. First aid
12. Stress at the pilot's work

Teaching methods

1. Formative assessment: ongoing assessment during classes (presentations, tests)
2. Summative assessment: credit

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	55	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	25	1,00