COURSE DESCRIPTION CARD - SYLLABUS

Course name
Introduction to aviation [S1Lot2>WdL]

Course

Field of study
Aviation

Year/Semester
1/2

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
15

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
0

Number of credit points

1,00

Coordinators

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Lecturers

Prerequisites

Knowledge: The student has a basic knowledge of air transport. Skills: The student is able to associate and integrate the obtained information, analyze the phenomena occurring in the environment, draw conclusions, formulate and justify opinions. Social competences: The student is able to independently search for information in the literature and knows the rules of discussion; ability to formulate a research problem and search for its solution, independence in problem-solving, ability to cooperate in a group.

Course objective

The aim of the course is to familiarize the student with various areas of aviation

Course-related learning outcomes

Knowledge:
1. Has a basic knowledge of the mechanisms and laws governing human behavior and psyche

Skills:
1. Is able to prepare a short research paper while maintaining the basic editorial rules. Can choose appropriate methods for conducted research and is able to carry out a basic analysis of the results.

Social competences:
1. Understands that in technology, knowledge and skills very quickly become obsolete

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The knowledge and skills of the lecture will be tested in the form of a written test at the end of semester.

Programme content

1. Construction of aircraft propulsion and airframes
2. Ecological aspects of aviation
3. The process of training air pilots
4. Safety and management methods in aviation
5. Ways of air traffic organization
6. Operation and development of unmanned aerial vehicles

Course topics

1. Aircraft pilots training
2. Ecological aspects of aviation
3. Aircraft engines and airframes
4. Air traffic management
5. Air transport safety
6. Unmanned aerial vehicles
7. Aircraft maintenance and propulsion

Teaching methods

Informative (conventional) lecture (providing information in a structured way) - may be of a course (introductory) or monographic (specialist) character.

Bibliography

Basic:
1. Paweł Głowacki, Stefan Szczeciński: Transport lotniczy : zagrożenia ekologiczne oraz sposoby ich ograniczania, Wydawnictwa Naukowe Instytutu Lotnictwa, 2013
2. Włodzimierz Balicki, Ryszard Chachurski, Paweł Głowacki, Jan Godzimski, Krzysztof Kawalec, Adam Kozakiewicz, Zbigniew Pągowski, Artur Rowiński, Jerzy Szczeciński, Stefan Szczeciński: Lotnicze silniki turbinowe : konstrukcja - eksploatacja - diagnostyka. Cz. 1, Wydawnictwa Naukowe Instytutu Lotnictwa, 2010

Additional:
1. Sumeer Charkuj, Piotr Kozłowski, Michał Nędza: Podstawy transportu lotniczego, Konsorcjum Akademickie Kraków-Rzeszów-Zamość 2012
2. Podręczniki szkoleniowe EASA ATPL Series

Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	10	0,50