



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Characteristics of the contemporary aviation market

Course

Field of study

Aerospace Engineering

Area of study (specialization)

Civil Aviation

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/2

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

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Prerequisites

Knowledge: The student has a basic knowledge of air transport and elements of the aviation market.

Skills: The student is able to read information from tables and charts, can use the basic statistical, economic and aviation terms.

Social competences: The student is able to critically evaluate the presented information, draw conclusions and present them to the group.



Course objective

Gaining knowledge on the development of the modern aviation market. Getting to know the latest trends and statistics on civil aviation.

Course-related learning outcomes

Knowledge

1. has extended knowledge necessary to understand the profile subjects and specialist knowledge about the construction, construction methods, construction, production, operation, air traffic management, safety systems, economic, social and environmental impact in the field of aviation and aerospace for selected specialties:

- a) Aeronautical Engineering,
- b) Space Engineering,
- c) Civil Aviation,
- d) Virtual Engineering in Aeronautics;

2. has basic knowledge of law, in particular civil aviation law, copyright and industrial property law and its influence on the development of technology, can use patent information resources;

3. knows the general principles of creating and developing forms of individual entrepreneurship, also taking into account time management, as well as the skills of proper self-presentation, using knowledge in the field of science and scientific disciplines relevant to aviation and cosmonautics;

Skills

1. is able to communicate using various techniques in the professional environment and other environments, using the formal notation of construction, technical drawing, concepts and definitions of the scope of the studied field of study;

2. is able to prepare and present a short verbal and multimedia presentation devoted to the results of an engineering task;

3. is able to obtain information from literature, the Internet, databases and other sources. Is able to integrate the obtained information, interpret and draw conclusions from it, as well as create and justify opinions;

4. can use formulas and tables, technical and economic calculations with the use of a spreadsheet, programming tools of his own authorship, specialist software;

Social competences

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



2. Is ready to critically evaluate the possessed 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 problems on their own;

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: written exam

Programme content

Air traffic statistics in Poland, Europe and the world

Business models of air carriers

The law of sale of air transport

General aviation market (GA) - terminals, airport charges, air traffic

Regular and charter flights - seasonality of the aviation market

Contemporary airports

EXAM

Teaching methods

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

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

Bibliography

Basic

1. Liberadzki B., Mindura L., Uwarunkowania rozwoju systemu transportowego Polski, Warszawa-Radom 2007
2. Barczak A., Nurzyńska A., Król S., Transport we współczesnej gospodarce: wybrane aspekty, Częstochowa 2017
3. Fellner A., Jackowska M., Wybrane zagadnienia z obszaru lotnictwa cywilnego: praca zbiorowa, Katowice 2011
4. Rucińska D., Rynek usług transportowych w Polsce, Warszawa 2015
5. Zabłocki E., Podstawy funkcjonowania lotnictwa cywilnego, Dęblin 2010
6. Biskup K., Bukowski Z., Działalność lotnicza w Polsce, Bydgoszcz 2015



Additional

1. Zarządzanie ruchem lotniczym w przestrzeni powietrznej RP, WLOP, Warszawa 2002.
2. Ustawa Prawo Lotnicze
3. Rucińska D., Ruciński A., Tłoczyński D., Transport lotniczy. Ekonomia i organizacja, Gdańsk 2012

Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,0
Classes requiring direct contact with the teacher	16	0,5
Student's own work (literature studies, preparation for exam) ¹	14	0,5

¹ delete or add other activities as appropriate