



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Air services market and its characteristics [S2LiK1>RULiJC]

### Course

Field of study

Aerospace Engineering

Year/Semester

2/3

Area of study (specialization)

Unmanned Aerial Vehicles

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

full-time

Requirements

compulsory

### Number of hours

Lecture

30

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

2,00

### Coordinators

Krzysztof Banaszek

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### Lecturers

### Prerequisites

Knowledge: The student has a basic knowledge of air transport, knowledge about the management and organization of transport processes 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

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, methods of construction, production, operation, air traffic management, safety systems, impact on the economy, society and the environment in the field of aviation and cosmonautics

for selected specialties: Civil Aviation, Unnamed Aerial Vehicle

2. has basic knowledge necessary to understand social, economic, legal and other non-technical determinants of engineering activity

3. 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

4. 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 study field

2. has the ability to self-educate with the use of modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books

3. can obtain information from literature, the Internet, databases and other sources. Can integrate the obtained information, interpret and draw conclusions from it, and create and justify opinions

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 knowledge and content received, recognize the importance of knowledge in solving cognitive and practical problems, and consult experts in case of difficulties in solving the problem on its own

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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Test at the end of semestr

### 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

Test

### Course topics

none

### Teaching methods

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

### Bibliography

Basic

1. Liberadzki B., Mindura L., Conditions for the development of the Polish transport system, Warszawa-Radom 2007

2. Barczak A., Nurzyńska A., Król S., Transport in the modern economy: selected aspects, Częstochowa 2017

3. Fellner A., Jackowska M., Selected issues in the field of civil aviation: collective work, Katowice 2011

4. Rucińska D., The market of transport services in Poland, Warsaw 2015

5. Zabłocki E., Fundamentals of civil aviation functioning, Dęblin 2010

6. Biskup K., Bukowski Z., Aviation activities in Poland, Bydgoszcz 2015

#### Additional

1. Air traffic management in the Polish airspace, WLOP, Warsaw 2002. 2. The Aviation Law Act 3. Rucińska D., Ruciński A., Tłoczyński D., Air transport. Economics and organization, Gdańsk 2012

#### Breakdown of average student's workload

	Hours	ECTS
Total workload	55	2,00
Classes requiring direct contact with the teacher	40	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	15	0,50