



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Air transport logistics

Course

Field of study

Aviation

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

3/5

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

Number of hours

Lecture

30

Laboratory classes

0

Other (e.g. online)

0

Tutorials

15

Projects/seminars

0

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

dr inż. Anna Kobaszyńska-Twardowska

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Wydział Inżynierii Lądowej i Transportu

ul. Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:

mgr inż. Monika Wantuła

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Wydział Inżynierii Lądowej i Transportu

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Prerequisites

The knowledge acquired during the implementation of the basics of logistics. Basic information on transport, its organization and functioning. Ability to apply methods in solving logistic problems and reasoning.

Course objective

Expanding knowledge in the field of air transport logistics. Preparation for work in Polish and international corporations in the aviation industry, logistics teams at airports and domestic and international airports, domestic and international airlines (passenger and cargo), as ground, on-board



and service personnel, companies producing and operating unmanned aerial vehicle systems (UAS), logistics centers.

Course-related learning outcomes

Knowledge

1. knows the basic concepts of economics, relating in particular to air transport, has basic knowledge of managing and running a business and knows the general principles of creating and developing forms of individual entrepreneurship, especially in the aspect of airline
2. has the ability to self-study with the use of modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books

Skills

1. is able obtain information from various sources, including literature and databases, both in Polish and in English, integrate them properly, interpret and critically evaluate them, draw conclusions and exhaustively justify their opinions
2. is able to properly use information and communication techniques, applicable at various stages of the implementation of aviation projects
3. is able to assess - at least in a basic scope - various aspects of the risk associated with a logistics undertaking in air transport
4. is able to estimate various types of costs, is able to verify and assess market phenomena, is able to assess the factors of economic growth and the importance of money for its development, is able to decide about economic choices in the field of consumption and production,

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:

LECTURE: Assessment of knowledge and skills on the written or oral test based on the explanation of selected issues

TUTORIALS: Assessment of knowledge and skills on the written test on the basis of solved tasks

Programme content

1. Air transport as a functional sphere: Basic concepts and general conditions of the branch functioning, Development outline, Selected problems of the functioning of modern air transport.



2. Air transport means of work: Communication planes, Air transport infrastructure
3. Organization of air transport
4. Handling as an element of logistic customer service
5. Air services market: General characteristics and functioning, Demand and supply, Costs and prices
6. Forecasting the demand for logistics services
7. Assessment of the quality of demand forecasts
8. Air transport companies: Airline companies as economic entities, Traditional and low-cost carriers, Airports, Handling agent, Air traffic management
9. Inventory management in aviation companies
10. Methods of replenishing stocks in aviation

Teaching methods

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

The exercise method (subject exercises, practice exercises) - in the form of auditorium exercises (application of the acquired knowledge in practice - may take various forms: solving cognitive tasks or training psychomotor skills; transforming a conscious activity into a habit by repeating

Bibliography

Basic

1. Rucińska D., Ruciński A., Tłoczyński D. Transport lotniczy. Ekonomika i organizacja. Wydawnictwo Uniwersytetu Gdańskiego, 2012
2. Gołemska E., Kompendium wiedzy o logistyce, PWN Warszawa 2017.
3. Beier F.J., Rutkowski K.: Logistyka. SGH, Warszawa 1993.
4. Coyle J., Bardi E., Langley C.: Zarządzanie Logistyczne. PWE, Warszawa 2007

Additional

1. Rucińska D., Ruciński A., Tłoczyński D. Transport lotniczy. Ekonomika i organizacja. Wydawnictwo Uniwersytetu Gdańskiego, 2012
2. Gołemska E., Kompendium wiedzy o logistyce, PWN Warszawa 2017.



3. Beier F.J., Rutkowski K.: Logistyka. SGH, Warszawa 1993.

4. Coyle J., Bardi E., Langley C.: Zarządzanie Logistyczne. PWE, Warszawa 2007

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	55	2,0
Student's own work (literature studies, preparation for classes, preparation for tests), ¹	45	2,0

¹ delete or add other activities as appropriate