



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Air transport logistics [S1Lot2-ORL>LTL]

Course

Field of study

Aviation

Year/Semester

3/5

Area of study (specialization)

Air Traffic Organisation

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

30

Laboratory classes

0

Other

0

Tutorials

15

Projects/seminars

0

Number of credit points

4,00

Coordinators

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Lecturers

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, law and ethics, relating in particular to air transport, including the basic concepts and principles of industrial property protection and copyright, has basic knowledge of management and running a business and knows the general principles of creating and developing forms of individual entrepreneurship, especially in the context of airlines

2. has knowledge of self-education using modern teaching tools, such as remote lectures, Internet sites and databases, teaching programs, e-books, knows and understands the fundamental dilemmas of modern civilization

Skills:

1. is able to obtain information from various sources, including literature and databases, both in Polish and English, integrate it properly, interpret and critically evaluate it, draw conclusions, and comprehensively justify the opinions he/she formulates
2. is able to use information and communication techniques appropriately, which are used at various stages of the implementation of aviation projects
3. is able to assess - at least to a basic extent - various aspects of the risk associated with a logistics project in air transport
4. is able to make a preliminary economic assessment of the proposed solutions in terms of consumption and production and the engineering activities undertaken

Social competences:

1. 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 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

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

Course topics

The course topics include presentation of basic concepts related to logistics, means of work of air transport and its organization, discussion of handling and the market of air services. Demand forecasts and assessment of their quality for logistics services, air transport companies and inventory management in these companies will also be discussed.

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
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 | 4,00 |
| Classes requiring direct contact with the teacher | 45 | 2,00 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 55 | 2,00 |