POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Air traffic management

Course

Field of study	Year/Semester
Aerospace Engineering	1/2
Area of study (specialization)	Profile of study
	practical
Level of study	Course offered in
Second-cycle studies	polish
Form of study	Requirements
full-time	compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
30	0	0
Tutorials	Projects/seminars	
15	30	

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

Krzysztof Banaszek

email: krzysztof.banaszek@pansa.pl

Polska Agencja Żeglugi Powietrznej

ul. Wieżowa 8 02-147 Warszawa

Responsible for the course/lecturer:

Artur Kinowski

email: artur.kinowski@pansa.pl

Polska Agencja Żeglugi Powietrznej

ul. Wieżowa 8 02-147 Warszawa

Prerequisites

Course objective

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 [K2A_W01]

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2. Has basic knowledge of aviation organizations and the applicable Polish and European aviation law [K2A_W08]

3. Has basic knowledge of aircraft movement in the air and air traffic services [K2A_W10]

4. 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 [K2A_W18]

Skills

1. has the ability to self-educate with the use of modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books [K2A_U03]

2. 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 [K2A_U04]

Social competences

1. Understands the need for lifelong learning; can inspire and organize the learning process of other people [K2A_K01]

2. Is able to interact and work in a group, assuming various roles in it [K2A_K04]

3. Correctly identifies and resolves dilemmas related to the profession [K2A_K06]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: written exam (test)

Programme content

Teaching methods

Informative (conventional) lecture (transfer of information in a systematic way) - can be (propedeutical) or monographic (specialist)

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

Bibliography

Basic

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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. Ekonomika i organizacja, Gdańsk 2012

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	75	3,0
Student's own work (literature studies, preparation for test, project preparation) [1]	25	1,0

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[1] delete or add other activities as appropriate