COURSE DESCRIPTION CARD - SYLLABUS

Course name
Airports safety [S1Lot2-BTL>BPL]

Course

Field of study
Aviation

Year/Semester
2/3

Area of study (specialization)
Air Transport Safety

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
15

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
15

Number of credit points

4,00

Coordinators

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Lecturers

Prerequisites

Knowledge: Basic knowledge of aviation Skills: Able to analyze presented data and regulations and legal requirements. Able to implement data in new environments Social competences: Prepared to work independently with the presentation of its effects

Course objective

Familiarization with safety principles in airport management

Course-related learning outcomes

Knowledge:
1. has detailed knowledge related to selected issues in the field of manned and unmanned aerial vehicles, in
the field of on-board equipment, control systems, communication and registration systems, automation of individual systems
2. the student has knowledge of aviation safety and management. The student knows the concept of the human
factor and the methods of assessing human reliability

Skills:
1. can 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

Social competences:
1. understands that in technology, knowledge and skills very quickly become obsolete
2. correctly identifies and resolves dilemmas related to the profession of an aerospace engineer
Methods for verifying learning outcomes and assessment criteria Learning outcomes presented above are verified
as follows: Lecture - written test, exercises - final test, project - presentation of the completed project in front of the
group

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

none

Programme content

Lecture: discussion of key issues related to airport security, including in particular:
1. Airport infrastructure
2. Aviation law
3. Airport security management
4. Airport services and security
5. Risk management of threats at the airport
6. Security control at airports
7. Baggage and cargo
8. Project: Students, under the supervision of the instructor, develop a selected issue related to airport security
management,

Course topics

Lecture: discussion of key issues related to airport security, including in particular:
1. Airport infrastructure (analyzed from the point of view of security management)
2. Aviation law - regulations imposed on airports related to ensuring passenger safety (so-called Security)
3. Airport security management (so-called Safety) - the role and tasks of the Safety manager at the airport
4. Services working at the airport and security - Airport Fire Department, Ground Air Traffic Controller, Airport Duty
Officer, Border Guard, Airport Security Service, Police, handling services - the role of units in ensuring airport
security
5. Risk management of threats at the airport
6. Security control at airports - responsibility, tasks and technology supporting the provision of security
7. Baggage and cargo as particularly sensitive elements of the security system - discussion of procedures and
handling
Project: Students, under the supervision of the instructor, develop a selected issue related to airport security
management, e.g.: a security audit plan for a selected airport airport, proposal to plan security procedures, develop
a game threat management plan or other selected by students - for a real or model airport

Teaching methods

Informative (conventional) lecture (transmission of information in a systematic way) - may be of a course (propaedeutic) or monographic (specialist) nature
Project method (individual or team implementation of a large, multi-stage cognitive or practical task, the

effect of
which is the creation of a work)

Bibliography

Basic:
1. Flight Planning & Monitoring - EASA | Aviationexam, Jeppsen Publishing House
2. Huderek-Glapska S., Airport Development Management
3. Flight Performance, Balance and Planning EASA Training, Pileus Publishing House
4. Szutowski L., Airplane Pilot's Handbook, Poznań 2007
5. Compa T., Airspace Management, AON, Warsaw 2003
6. Domicz J., Szutowski L., Airplane Pilot's Handbook, Poznań 2008
7. Challenges and Threats to the Security and Defence of the Republic of Poland in the 21st Century in the Social,
Technological and Environmental Dimensions - Collective Work Edited by Trejnis Z., Kościelecki L., ASPRA-JR
Publishing House
Supplementary
1. Air Traffic Management in the Airspace of the Republic of Poland, WLOP, Warsaw 2002.
2. Aviation Law.

Additional:
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Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	70	3,00