COURSE DESCRIPTION CARD - SYLLABUS

Course name

Aviation law and organizations

Course

Field of study

Aerospace Engineering

Year/Semester

1/1

Area of study (specialization)

Profile of study

general academic

Level of study

First-cycle studies

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

15

Projects/seminars

0

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

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Prerequisites

Knowledge: The student has a basic knowledge of air transport, knowledge of 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, the ability to solve research problems with the use of scientific methods, the ability to find cause-and-effect relationships based on the acquired knowledge

Social competences: the ability to precisely formulate questions; the ability to define priorities important in solving the tasks set for him; the ability to formulate a research problem and search for its solution, independence in problem solving, the ability to work in a group, the ability to search for information in literature

Course objective

Getting to know the specificity of the functioning of air transport. Presentation of the structure of aviation authorities in the world, Europe and Poland. Overview of major aviation organizations, their responsibilities and tasks. Overview of the Aviation Law. Presentation of the transport policy in the field of air transport. Legal aspects of the operations of airlines (handling services, airlines, airports)

Course-related learning outcomes

Knowledge

1. has extended knowledge necessary to understand the profiled subjects as well as specialist knowledge on construction, operation, air traffic management, safety systems, economic, social and environmental impact in the field of aviation and space - [K1A_W01]

2. has basic knowledge necessary to understand social, economic, legal and other non-technical determinants of engineering activity - [K1A_W24]

3. has basic knowledge of law, in particular civil aviation law, copyright and industrial property law and its impact on the development of technology, can use patent information resources - [K1A_W25]

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 field of study - [K1A_U02]

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 - [K1A_U03]

3. is able to 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 - [K1A_U04]

Social competences

1. understands the need for lifelong learning; can inspire and organize the learning process of other people - [K1A_K01]

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 the event of difficulties in solving the problem on its own - [K1A _K02]

3. is aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment, and the related responsibility for decisions made - [K1A _K03]

4. is able to interact and work in a group, assuming different roles in it [K1A _K04]

5.is aware of the social role of a technical university graduate, and especially understands the need to formulate and transmit to the society, in particular through the mass media, information and opinions on technological achievements and other aspects of engineering activities; makes efforts to provide such information and opinions in a generally comprehensible manner - [K1A _K08]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: written or oral exam on the content of the classes

Tutorials: final test - solving a selected legal problem related to broadly understood air transport

Programme content

1. The International Civil Aviation Organization ICAO and other aviation organizations (Eurocontrol, EASA, PANSA, CAO). Conventions organizing air navigation. Historical conditions of aviation law and the structure of its functioning.

2. The European Union in terms of civil aviation (European institutions, principles of market regulation in the EU

3. International organizations and institutions of civil aviation (ICAO, IATA, EASA, EUROCONTROL)

4. Organization and management of military aviation in Poland

5. Aviation regulations and transport policy (Aviation Law, ICAO Convention and its annexes, JAR-OPS regulations)

6. Airlines (principles of operation, alliances), postal and cargo transport, general and recreational aviation

7. Legal aspects of the national civil aviation security program

8. Operation of aircraft (ICAO Annex 6). International coverage of commercial and general aviation (airplanes) and helicopter operations)

9. Personnel licensing (ICAO Annex 1). Overview of basic aviation licenses, requirements for becoming candidates, classes of medical certificates. Licensing of ground personnel (Controllers, Informants, Mechanics).

10. Nationality and registration marks (ICAO Annex 7), Airworthiness of aircraft (ICAO Annex 8) and Facilitations (ICAO Annex 9)

Teaching methods

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

Didactic games (according to certain rules: simulation (recreating complex problem situations), decision-making (making decisions as a sequential process)

Bibliography

Basic

1. ICAO Annexes

2. The Aviation Law Act

3. Żylicz. M. International Aviation Law, Lexis, Warsaw 2011

4. Compa.M. Airspace capacity. WLOP Dęblin 2009

Additional

1. Air traffic management in the Polish airspace, WLOP, Warsaw 2002.

2. Training materials, internal of the Polish Air Navigation Services Agency

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	50	2,0
Student's own work (literature studies, preparation for classes, preparation for the final test)[1]	50	2,0

[1] delete or add other activities as appropriate