



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Aviation organizations [S2LiK2P>OL]

### Course

Field of study

Aerospace Engineering

Year/Semester

1/1

Area of study (specialization)

–

Profile of study

practical

Level of study

second-cycle

Course offered in

polish

Form of study

full-time

Requirements

compulsory

### Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

2,00

### Coordinators

dr inż. Marta Galant-Gołębiewska

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### Lecturers

dr inż. Marta Maciejewska

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### Prerequisites

Knowledge: The student has a basic knowledge of air transport and elements of aviation law and organization of transport processes. Skills: The student has the ability to select appropriate literature sources, solve research problems using scientific methods and the ability to find cause-and-effect relationships based on their knowledge. Social competences: The student has the ability to precisely formulate questions; the ability to define important priorities in solving the tasks set for him; ability to formulate a research problem and search for its solution, independence in problem-solving, ability to cooperate in a group.

### 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.

### Course-related learning outcomes

Knowledge:

1. Has extended knowledge necessary to understand the profile subjects and specialist knowledge about

air traffic management, safety systems, impact on the economy, society and the environment in the field of aviation

2. Has basic knowledge of aviation organizations and the applicable Polish and European aviation law
3. Knows the general principles of creating and developing forms of individual entrepreneurship, also taking into account time management, as well as the skills of proper self-presentation, using knowledge in the field of science and scientific disciplines relevant to aviation

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
2. Is able to prepare and present a short verbal and multimedia presentation devoted to the results of an engineering task

Social competences:

1. 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 case of difficulties in solving the problem on its own
2. 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
3. Correctly identifies and resolves dilemmas related to the profession

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assessment of knowledge and skills on a written or oral exam based on the explanation of selected issues.

### Programme content

1. International Civil Aviation Organization, ICAO
2. European Civil Aviation Conference, ECAC
3. European Organisation for the Safety of Air Navigation, EUROCONTROL
4. Federation Aeronautique Internationale, FAI
5. European Union Aviation Safety Agency, EASA
6. Organizations of airlines (IATA, A4A, A4E etc.)
7. Organizations of flight crews (IFALPA, AOPA, IFATCA etc.)

### 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:

1. Websites of selected organizations
2. The Aviation Law Act
3. Żylicz M., International Aviation Law, Lexis, Warsaw 2011

Additional:

1. Zając G., Legal basis and functioning of air carriers and airports in Europe, Warsaw 2016.
2. Training materials, internal of the Polish Air Navigation Services Agency

### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	15	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	35	1,00