



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Security of critical infrastructure

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### Course

Field of study

Aerospace Engineering

Area of study (specialization)

Civil Aviation

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

polish

Requirements

elective

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### Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

15

### Number of credit points

2

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### Lecturers

Responsible for the course/lecturer:

dr Jędrzej Łukasiewicz

Responsible for the course/lecturer:

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### Prerequisites

Knowledge:



The student has a basic knowledge of the Internet system of legal acts

Skills:

The student is able to analyze complex processes: identify and describe their component parts.

Social competences:

The student is able to cooperate in a group, assuming various roles in it. The student is able to determine the priorities important in solving the tasks set before him. The student shows independence in solving problems, gaining and improving the acquired knowledge and skills.

### Course objective

To acquaint students with issues related to security of critical infrastructure

### Course-related learning outcomes

Knowledge

1. has knowledge of the principles of critical infrastructure protection
2. has knowledge of the functioning of critical infrastructure systems

Skills

1. is able to apply the basic technical standards for unification and safety and recycling
2. is able to name and describe the security policy and objectives, knows the requirements in the field of security management

Social competences

1. 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
2. is able to properly define the priorities for the implementation of the task set by himself or others

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: pass in the last class of the semester.

Project: written work with a solution to a given problem

### Programme content

LECTURE:

1. The concept of critical infrastructure,
2. National Critical Infrastructure Protection Program,
3. Government Center for Security,



4. Technical measures for the protection of critical infrastructure

**Teaching methods**

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

**Bibliography**

Basic

1. European Programme for Critical Infrastructure Protection,
2. Dyrektywa 2008/114/WE
3. Ustawa o zarządzaniu kryzysowym Dz.U.2020 poz. 1856

Additional

**Breakdown of average student's workload**

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for test, studium preparation) <sup>1</sup>	20	1,0

<sup>1</sup> delete or add other activities as appropriate