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
Security of critical infrastructure

Course

Field of study	Year/Semester
Aviation and cosmonautics	2/3
Area of study (specialization)	Profile of study
Unmanned Aerial Vehicles	general academic
Level of study	Course offered in
Second-cycle studies	polish
Form of study	Requirements
full-time	elective
	Year/Semester
	2/3
	Profile of study
	general academic
	Course offered in
	polish
	Requirements
	elective

Number of hours

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

Number of credit points

2

Lecturers

Responsible for the course/lecturer:	Responsible for the course/lecturer:
dr Jędrzej Łukasiewicz	Responsible for the course/lecturer:
email: jedrzej.lukasiewicz@put.poznan.pl	
tel. 61 224 45 11	
Wydział Inżynierii Lądowej i Transportu	
ul. Piotrowo 3, 60-965 Poznań	

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

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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 competence

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: exam covering the issues discussed in class.

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

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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, project preparation) [1]	20	1,0

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[1] delete or add other activities as appropriate