



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Occupational risk in aviation companies [S1Lot2-ORL>RZwPL]

Course

Field of study

Aviation

Year/Semester

3/6

Area of study (specialization)

Air Traffic Organisation

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

2,00

Coordinators

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Lecturers

Prerequisites

The student understands the process of hazard risk management. The student has knowledge of how to identify sources of threats and formulate threats. The student has general knowledge of risks and methods of threat risk assessment and safety systems. The student is able to recognise sources/factors of threats by forward and backward methods. The student has the ability to formulate threats. The student is proficient in the use of computer office software package. The student understands and accepts the necessity of introducing appropriate restrictions into social, transport and industrial systems, which may lead to the improvement of their safe functioning. The student is able to manage the time available to complete the tasks indicated.

Course objective

To learn the procedures and acquire practical skills for applying hazard risk management in areas of analysis covering the workplaces and sites of aviation incidents.

Course-related learning outcomes

Knowledge:

-

Skills:

-

Social competences:

-

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assessment of knowledge and skills from the lecture in a written assessment based on the explanation of selected issues.

The grade for the project is determined by a combination of the grades for activity in the consecutive project classes, the grade for the presentation of the final versions of the projects completed in teams and their level of content and editing submitted in the paper version.

Programme content

The programme content includes methods, processes and procedures for applying hazard risk management in analysis areas covering workstations and aviation incident sites.

Course topics

Lecture: definitions and understanding of basic concepts related to occupational risk - safety, risk, risk management, risk factors/hazards at work areas. Legal conditions, objectives and information within the framework of risk management of hazards at work areas. Concept of methods for managing the risk of hazards at work areas (occupational risk management). Description of the work areas as an area of risk analysis. Occupational risk cards. Sources of hazards and methods of identifying them for areas of analysis that are work areas. Methods for assessing energy expenditure at work areas (description of selected methods). Concepts of conduct in the face of the risk of hazards at work areas. Safety procedures for selected processes of aircraft ground handling. Determination of the values of decision variables indicating areas of risk acceptability and risk assessment of hazards identified at work stations. Project: development of an occupational risk assessment at a selected work areas in air transport.

Teaching methods

Lecture: using multimedia presentations.

Project: electronic presentations in the phases of formulation of the tasks to be performed and presentation of the final results; solving part of the problems on the board by the instructor and/or students.

Bibliography

Basic:

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Additional:

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Breakdown of average student's workload

	Hours	ECTS
Total workload	0	0,00
Classes requiring direct contact with the teacher	0	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	0	0,00