



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Crew resource management in aviation

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

1/1

Profile of study

general academic

Course offered in

Polish

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

15

Other (e.g. online)

0

Tutorials

0

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

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Wydział Inżynierii Lądowej i Transportu

ul. Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:

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Prerequisites

KNOWLEDGE: Basic knowledge of transport safety, basic knowledge of air transport.

SKILLS: The ability to solve research problems using 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 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

To familiarize students with the principles of human resource management. Methods of selecting



personnel for positions, taking into account their competences and skills. Acquainting with the planning of staffing requirements.

Course-related learning outcomes

Knowledge

1. Has extended knowledge necessary to understand the profile subjects and specialist knowledge about the construction, methods of construction, production, operation, air traffic management, safety systems, impact on the economy, society and the environment in the field of aviation and cosmonautics for selected specialties: Civil Aviation, UAV.
2. has detailed knowledge related to selected issues in the field of human capabilities and limitations in aviation and aerospace
3. has detailed and structured knowledge in the field of using air technical facilities for the transport of passengers, goods, dangerous goods, as well as in the management of air operations and airports
4. has basic knowledge of law, in particular civil aviation law, copyright and industrial property law and its influence on the development of technology, can use patent information resources

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 scope of the study field .
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.
3. can 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

Social competences

1. Understands the need for lifelong learning; can inspire and organize the learning process of other people.
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 case of difficulties in solving the problem on its own.
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

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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

Laboratory: Pass based on exercises completed during classes.



Programme content

LECTURE:

1. Introduction to the issues of Human Resource Management - basic concepts.
2. Planning of personal needs. Qualitative and quantitative aspect of personnel planning.
3. Making personal processes more flexible.
4. Acquiring human resources - recruitment and selection.
5. Internal and external recruitment system.
6. Leadership and people management.
7. System of motivation to work.
8. Wage policy and remuneration systems.
9. Training and improvement of staff.
10. Tools and methods of employee evaluation.
11. Typology and choice of personnel strategy.

LAB:

1. Self-presentation
2. Preparation for the interview
3. Employee motivation methods
4. CRM - Crew Resource Management
5. Planning of crew working time
6. A decision game

Teaching methods

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

Laboratory method

Bibliography



Basic

1. Pochtowski A., Zarządzanie Zasobami Ludzkimi. Strategie - Procesy – Metody, Wydawnictwo PEW, Warszawa 2006
2. Jankowska Z., Zarządzanie zasobami ludzkimi, Polskie Wydawnictwo Ekonomiczne, Warszawa 2010
3. Ściborek Z., Zarządzanie Zasobami ludzimi, Difin, Warszawa 2010
4. Zając Cz., Zarządzanie zasobami ludzkimi, Wydawnictwo Wyższej Szkoły Bankowej, Poznan 2007
2. Ustawa z dnia 3 lipca 2002 r. Prawo lotnicze (Dz. U. z 2013 r. poz. 1393)

Additional

1. Podręcznik zarządzania bezpieczeństwem, Doc 9859 ICAO Organizacja Międzynarodowego Lotnictwa Cywilnego, wydanie pierwsze 2006
2. Romanowska-Słomka I., Słomka A., Zarządzanie ryzykiem zawodowym. Wydawnictwo Tarbonus, Tarnobrzeg, 2005

Breakdown of average student's workload

	Hours	ECTS
Total workload	60	2,0
Classes requiring direct contact with the teacher	35	1,0
Student's own work (literature studies, preparation for laboratory classes, preparation for test) ¹	25	1,0

¹ delete or add other activities as appropriate