



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Interim project

Course

Field of study

Aviation and cosmonautics

Area of study (specialization)

-

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/4

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

6

Lecturers

Responsible for the course/lecturer:

dr inż. Remigiusz Jasiński

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tel. 61 665 2252

Wydział Inżynierii Lądowej i Transportu

ul. Piotrowo 3 60-965 Poznań

Responsible for the course/lecturer:

dr inż. Marta Galant

email: marta.galant@put.poznan.pl

tel. 61 665 2252

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Prerequisites

Basic knowledge of physics, mathematics, economics and major subjects. Support for basic MS Office, CAD, and other computer programs depending on your interest and the problem. Ability to work in a team.

Course objective

Getting to know the methodology of solving engineering problems on the example of selected system and process issues in the field of air transport. Developing the ability to create scientific studies and texts.



Course-related learning outcomes

Knowledge

1. Student has extended knowledge necessary to understand the profiled subjects and specialist knowledge about the construction, operation, air traffic management, safety systems, economic, social and environmental impact in the field of aviation and space
2. Student 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 and astronautics

Skills

1. Student is able to obtain information from literature, the Internet, databases and other sources. Is able to integrate the obtained information, interpret and draw conclusions from it and create and justify opinions -
2. Student is able to prepare a short research paper, respecting the basic editorial rules. He can choose appropriate methods for the conducted research and is able to carry out a basic analysis of the results

Social competences

1. Student understands the need for lifelong learning; can inspire and organize the learning process of other people
2. Student is ready to critically evaluate the possessed knowledge and perceived content, recognize the importance of knowledge in solving cognitive and practical problems, and consult experts in the event of difficulties in solving the problem on its own
3. Student is able to properly define the priorities for the implementation of the tasks set by himself or others

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Written work, formatting according to the pattern, covering a selected issue. The student selects and analyzes the topic in cooperation with the thesis supervisor, in the form of consultations

After identifying the problem and isolating the phenomenon area from the broadly understood air transport, a written study is carried out.

Programme content

Cause and effect analysis of the selected problem, methodology for the development of scientific papers, in-depth analysis of the selected issue.

The curriculum content is included in the broadly understood field of air transport and is of a technical, organizational, logistic and economic nature

Teaching methods



Discussion (or after the lecture in the form of a seminar) (a paper on the topic as a basis for discussion)

Bibliography

Basic

1. Wiśłocki K.: Metodologia i redakcja prac naukowych. Wyd. Politechniki Poznańskiej, Poznań 2013
2. B. Branowski - Metody twórczego rozwiązywania problemów inżynierskich, Wielkopolska Korporacja Techniczna NOT, Poznań 1999
3. Lewitowicz J. (red) - Problemy badań i eksploatacji techniki lotniczej. Wydawnictwo ITWL, Warszawa 2006.

Additional

1. Zb. Kłós (red.) - Rozprawy naukowe. Wydawnictwo Politechniki Poznańskiej, Poznań 2011
2. Rydzkowski W., Wojewódzka-Król K. (red.): Transport. PWN, Warszawa 199

Breakdown of average student's workload

	Hours	ECTS
Total workload	150	6,0
Classes requiring direct contact with the teacher	25	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	125	5,0

¹ delete or add other activities as appropriate