COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma thesis [S1Lot2-PSPL>PD]

Course

Field of study
Aviation

Year/Semester
4/7

Area of study (specialization)
Aircraft Piloting

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
0

Laboratory classes
0

Other
0

Tutorials
5

Projects/seminars
0

Number of credit points

13,00

Coordinators

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Lecturers

Prerequisites

The student has knowledge of issues related to the diploma topic being pursued, is able to apply the scientific method in solving problems, conducting experiments and drawing conclusions, knows the limitations of his/her own knowledge, skills and is able to formulate questions precisely, and also understands the need for further education.

Course objective

Preparing the student to independently perform engineering work and conduct scientific research.

Course-related learning outcomes

Knowledge:
1. knows the basic concepts of economics, relating in particular to air transport, has basic knowledge of management and running a business and knows the general principles of creating and developing forms of individual entrepreneurship, especially in the aspect of airlines
2. has the ability to self-educate using modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books

Skills:
1. is able to obtain information from various sources, including literature and databases, both in Polish and English, integrate it properly, interpret and critically evaluate it, draw conclusions, and comprehensively justify the opinions he formulates
2. is able to appropriately use information and communication techniques, which are used at various stages of the implementation of aviation projects
3. is able to see legal aspects in the process of formulating and solving tasks in air transport, in particular to use aspects of European and national aviation law
4. is able to assess - at least to a basic extent - various aspects of risk related to a logistics project in air transport
5. is able to analyze the strategies of enterprises and interpret their actions and apply basic strategic analysis tools in practice
6. is able to estimate various types of costs, is able to verify and evaluate market phenomena, is able to evaluate economic growth factors and the importance of money for its development, is able to decide on economic choices in the field of consumption and production,
7. is able to organize, cooperate and work in a group, assuming different roles in it and is able to determine priorities appropriately for the implementation of a task defined by himself or others
8. is able to plan and implement the process of his own permanent learning and knows the possibilities of further education (second and third cycle studies, postgraduate studies, courses and exams conducted by universities, companies and professional organizations)

Social competences:
1. is able to think and act in an entrepreneurial manner, including finding commercial applications for the system being created, taking into account not only the business benefits but also the social benefits of the conducted activity
2. is aware of the social role of a technical university graduate, in particular understands the need to formulate and convey to the public, in an appropriate form, information and opinions regarding engineering activities, technical achievements, as well as the achievements and traditions of the engineering profession
3. correctly identifies and resolves dilemmas related to the performance of the profession of an aviation and astronautics engineer

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

written test

Programme content

The program content is consistent with the detailed tasks given in the engineering thesis topic card

Course topics

Working with data and analysis
Writing and editing the text of the thesis
Consultation with the supervisor and feedback
Time management and work organization
Preparing for the defense of the thesis
Completing the thesis
Teamwork and cooperation with other students
Preparing the thesis for publication
Examples and analysis of sample thesis

Teaching methods

Ongoing consultations to check and evaluate the text formatting for a selected example

Bibliography

Basic:
1 Korzyński M., Metodyka eksperymentu. Wydawnictwo NT, Warszawa 2006

Additional:
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Breakdown of average student's workload

	Hours	ECTS
Total workload	325	13,00
Classes requiring direct contact with the teacher	60	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	265	10,50