



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Interim degree thesis [S2LiK2P>PP]

Course

Field of study

Aerospace Engineering

Year/Semester

1/2

Area of study (specialization)

–

Profile of study

practical

Level of study

second-cycle

Course offered in

polish

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

4

Number of credit points

4,00

Coordinators

prof. dr hab. inż. Tomasz Łodygowski
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Lecturers

Prerequisites

Has the knowledge necessary to understand profile subjects and specialist knowledge about the structure, methods of construction, production, operation, air traffic management, safety systems, impact on the economy, society and the environment in the field of aviation and space for selected specialties: Aeronautical Engineering has the ability to self-educate using modern teaching tools, such as remote lectures, websites and databases, teaching programs, electronic books can obtain information from literature, the Internet, databases and other sources. Is able to integrate the information obtained, interpret and draw conclusions from it, and create and justify opinions understands the need for lifelong learning; can inspire and organize the learning process of other people. Social competences: Knows the limitations of one's own knowledge and skills; can work in a group. Understands the need for lifelong learning; can inspire and organize the learning process of other people

Course objective

Conducting a transitional project in the subject of studies, which is an examination of the feasibility of the topic planned for a master's thesis

Course-related learning outcomes

Knowledge:

1. has extended knowledge necessary to understand the profile subjects and specialist knowledge of civil aviation, unmanned aerial vehicles, military aviation, aviation management and aeronautical engineering
2. Has a basic knowledge of aviation vocabulary used in English. Has knowledge of formulating a text in English explaining/describing a selected specialist issue
3. 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 airline companies
4. Has knowledge of how to develop research methodology
5. 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

Skills:

1. Is able to use the following languages: native and international to a degree enabling the understanding of technical texts in the field of aviation (knowledge of technical terminology)
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. Is able to properly define priorities for the implementation of a task set by himself or others
4. Understands the need for lifelong learning, can inspire and organize the learning process of other people

Social competences:

1. 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
2. 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
3. Correctly identifies and resolves dilemmas related to the profession
4. Can think and act in an entrepreneurial manner
5. Has the competencies necessary to interact with other industry employees (including in English)
6. Is aware of the social role of a technical university graduate, and especially understands the need to formulate and convey to the society, in particular through the mass media, information and opinions on technological achievements and other aspects of engineering activities; makes efforts to provide such information and opinions in a generally comprehensible manner

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assessment of the written transitional work in terms of content, methodology and editing.

Programme content

Determining the detailed topic and purpose of the work and its substantive scope, indicating the sources of literature searches; discussion of the work implementation schedule. Individual discussion with the student regarding the work plan and collected materials; acceptance of the plan by the leader.

The most important rules for writing papers regarding, among others: structure of the work, reference literature, descriptions of figures and tables, editorial guidelines, etc.

Individual discussion of the corrected and assessed work.

Teaching methods

Informative (conventional) lecture (transmission of information in a systematized way) - may be of a course (propedeutic) or monographic (specialized) nature

Project method (individual or team implementation of a large, multi-stage cognitive or practical task, resulting in the creation of a work of art)

Bibliography

Basic:

1. Pułło A., Master's and bachelor's theses. PWN, Warszawa 2000.
2. Wojcik K.: I am writing an academic promotional thesis - bachelor's, master's, doctoral, Wolters Kluwer, 2015

Additional:

Literature relevant to the selected project topic

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	10	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	90	3,00