



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study

Aerospace Engineering

Area of study (specialization)

Flight training for civil aviation

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

4/7

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

30

Number of credit points

5

Lecturers

Responsible for the course/lecturer:

dr hab. inż. Agnieszka Wróblewska, prof. PP

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ne: 61 665 2201

Responsible for the course/lecturer:

Faculty of Environmental Engineering and
Energy

Piotrowo 3 st., 60-965 Poznań

Prerequisites

Student has knowledge of issues related to the realized diploma topic, is able to apply the scientific method in solving problems, carrying out experiments and inference, knows the limitations of their own knowledge, skills and is able to formulate questions precisely, and understands the need for further education.

Course objective

To acquaint the student with the stages of writing the engineering thesis and its correct editorial preparation



Course-related learning outcomes

Knowledge

1. has expanded knowledge necessary to understand profile subjects and specialist knowledge about construction, methods of construction, manufacture, operation, aircraft control, safety systems, economic, social and environmental impact in the field of aviation engineering for the specialty Aircraft Piloting
2. has basic knowledge in the field of ethics and law, in particular civil aviation law, copyright law, protection of industrial property and its impact on the development of technology
3. knows the general principles of creating and developing forms of individual entrepreneurship, taking into account the ability of proper self-presentation, using knowledge of the fields of science and scientific disciplines relevant to aviation.

Skills

1. knows how to use a language sufficient to understand technical texts in the field of aviation (knowledge of technical terminology)
2. is able to prepare and present a short verbal and multimedia presentation devoted to the results of an engineering task
3. is able to communicate using various techniques in a professional environment and other environments using the formal record of construction, technical drawing, concepts and definitions of the scope of the studied field of study

Social competences

1. Is aware of the importance of maintaining the principles of professional ethics
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 associated responsibility for the decisions taken
3. is aware of the social role of a technical university graduate, and in particular understands the need to formulate and communicate to the public, in particular through the mass media, information and opinions on the achievements of technology and other aspects of engineering activities; endeavors to provide such information and opinions in a generally understandable way

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Oral exam

Programme content

The process of writing scientific papers (genesis of thesis topic, preparatory activities, source materials). Preparation of the diploma thesis (general requirements, editorial preparation, ethical problems). The role of the promoter in the process of creating work.



Teaching methods

Discussion, combined with an assessment of the progress of the thesis based on the presentation

Bibliography

Basic

1. Szkutnik Z., Metodyka pisania pracy dyplomowej. Wyd. Poznańskie, 2005

Additional

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Breakdown of average student's workload

	Hours	ECTS
Total workload	150	5,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, making presentations) ¹	120	4,0

¹ delete or add other activities as appropriate