COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study

Aerospace Engineering

Year/Semester

4/7

Area of study (specialization)

Aircraft engines and airframes

Profile of study

general academic

Level of study

First-cycle studies

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

30

Projects/seminars

0

Number of credit points

5

Lecturers

Responsible for the course/lecturer:

PhD inż. Łukasz Brodzik

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tel.: 61 665 2213

Faculty of Environmental Engineering and Energy

Piotrowo 3 st., 60-965 Poznań

Responsible for the course/lecturer:

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 specialist knowledge about construction, methods of construction, manufacture, operation, safety systems, impact on the economy, society and the environment in the field of specialization Aircraft engines and airframes necessary to prepare the thesis

2. has basic knowledge of ethics and law, in particular civil aviation law, copyright law, protection of industrial property in aerospace engineering

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 aerospace engineering

Skills

1. knows how to use appropriate aviation terminology to the extent that it is possible to understand technical texts in the field of aircraft engine and airframe issues

2. is able to prepare and present a short verbal and multimedia presentation devoted to the results of an engineering task in aviation

3. is able to communicate using various techniques in the professional environment and other environments using the formal record of construction, technical drawing, concepts and definitions in the field of study of Aerospace engineering

Social competences

1. is aware of the importance of maintaining the principles of professional ethics during the performance of tests and presenting their results

2. is aware of the importance and understands the non-technical aspects and effects of engineering activities and in the field of aerospace engineering, the associated responsibility for decisions

3. is aware of the social role of a technical university graduate in the field of aerospace engineering, and in particular understands the need for formulation and transfer to the public, in particular through the mass media, information and opinions on the achievements of technology and other aspects of engineering activities

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	125	5,0
Classes requiring direct contact with the teacher	50	2,0
Student's own work (literature studies, preparing presentations, studies related to the thesis) [1]	75	3,0

[1] delete or add other activities as appropriate