COURSE DESCRIPTION CARD - SYLLABUS

Course name
Processing and presentation of results [S2LiK2P>PiPW]

Course

Field of study
Aerospace Engineering

Year/Semester
2/3

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
30

Number of credit points

2,00

Coordinators

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Lecturers

Prerequisites

Knowledge: The student has basic knowledge of mathematics and can use SI units, Skills: The student is able to use the basic computer programs used in the processing and presentation of results, Social competences: The student is able to work in a group and knows the rules of discussion,

Course objective

The aim of the course is to familiarize the student with the rules of processing and presentation of scientific research results, to familiarize them with the correct form of data recording, the most important elements of the development of scientific results and their presentation.

Course-related learning outcomes

Knowledge:
1.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 cosmonautics
2. has knowledge of how to develop research methodology

Skills:
1. has the ability to self-educate with the use of modern teaching tools, such as remote lectures, websites and databases, teaching programs, e-books
2. is able to communicate using various techniques in the professional environment and other environments using the formal notation of concepts and definitions of the scope of the study field
3. is able to prepare and present a short verbal and multimedia presentation devoted to the results of an engineering task
4. is able to interact and work in a group, assuming various roles in it
5. understands the need for lifelong learning; can inspire and organize the learning process of other people

Social competences:
1. can think and act in an entrepreneurial manner
2. has the competencies necessary to interact with other industry employees (including in English)
3. 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:

LECTURE: written exam from the content presented during the lecture
LABORATORIES: assessment of tickets and reports
PROJECT: assessment of individual parts of the project delivered throughout the course of the course and defense of the project at the end of the semester

Programme content

Self-presentation, public speaking, preparation of presentations.
Methods of obtaining data and processing it.
Principles of operation and organization of the Central Statistical Office.
European statistical institutions.
Data processing - BDM

Course topics

none

Teaching methods

Informative (conventional) lecture (transfer of information in a systematic way) - can be (propedeutical) or monographic (specialist)
Laboratory (experiment) method (students conduct experiments independently)
Project method (individual or team implementation of a large, multi-stage cognitive or practical task, which results in the creation of a work)

Bibliography

Basic:
1. Pomiary wielkości fizycznych : opracowanie i prezentacja wyników. Zofia Kolek. Wydawnictwo Uniwersytetu Ekonomicznego, Kraków, 2009.
2. Pomiar i przetwarzanie wyników badań w pedagogice empirycznej. Janusz Gnitecki ; Uniwersytet im. Adama Mickiewicza w Poznaniu. Wydawnictwo Naukowe UAM, 1992.
3. Komputer i pomiary : pomiary z użyciem Z-80 - nieskomplikowana analiza i przetwarzanie wyników / Hubert Joas ; z jęz. niem tł. Barbara Szatyńska. Wydawnictwa Komunikacji i Łączności, 1990.

Additional:
1. www.ncbir.gov.pl
2. Metodyka transformacji wyników badań naukowych do zastosowań praktycznych : raport. ndrzej H. Jasiński, Dominik Ludwicki, Studia i Materiały / Wydział Zarządzania. Uniwersytet Warszawski,

Warszawa 2007

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	20	1,00