



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Practical training 5 [S1Lot2-PSPL>PZ5]

Course

Field of study

Aviation

Year/Semester

3/5

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

40

Tutorials

0

Projects/seminars

0

Number of credit points

5,00

Coordinators

dr inż. Łukasz Brodzik

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Lecturers

Prerequisites

Student has knowledge of the applicable rules for the implementation of practical training. Knows the regulations of practical training and the conditions for passing them. Has basic knowledge of issues covered by the study program. Has the ability to creatively use the knowledge acquired during studies. Can work in a working group. Is able to transparently distribute tasks in a group. Is able to interpret and perform received tasks correctly.

Course objective

Verification of the theoretical knowledge possessed by the student with reality, gaining new professional experience in real working conditions.

Course-related learning outcomes

Knowledge:

1. has extended and deepened knowledge of mathematics including algebra, analysis, theory of differential equations, probability, analytical geometry as well as physics including the basics of classical mechanics, optics, electricity and magnetism, solid state physics, thermodynamics, useful for formulating and solving complex

technical

tasks related to aeronautical engineering and modeling

2. has structured, theoretically based general knowledge in the field of technology and various means of air transport,

about the life cycle of means of transport, both hardware and software, and in particular about the key processes

occurring in them

3. has structured and theoretically based general knowledge in the field of key issues of technology and detailed

knowledge in the field of selected issues related to air transport, knows the basic techniques, methods and tools used

in the process of solving tasks related to air transport, mainly of an engineering nature

4. has structured, theoretically based general knowledge covering key issues in the field of technical thermodynamics, fluid mechanics, in particular aerodynamics

5. has detailed knowledge related to selected issues in the field of construction of manned and unmanned aircraft, in

the field of on-board equipment, control systems, communication and recording systems, automation of individual

systems, has basic knowledge of flight simulation training devices and simulation methods used to solve air transport

issues

6. has the ability to self-educate using modern teaching tools, such as remote lectures, Internet websites and

databases, teaching programs, e-books

Skills:

1. is able to organize, cooperate and work in a group, assuming different roles in it and is able to appropriately

determine priorities for the implementation of a task specified by himself or others

2. 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 examinations conducted by universities, companies and professional organizations)

3. the student is able to use theoretical probability distributions. The student is able to analyze and interpret statistical

data. The student is able to apply methods and tools of mathematical statistics in engineering practice

4. the student is able to use theoretical probability distributions. The student is able to analyze and interpret statistical

data. The student is able to apply the methods and tools of mathematical statistics in engineering practice

5. 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/she formulates

6. is able to properly use information and communication techniques that are used at various stages of the implementation of aviation projects

7. is able to properly plan and perform experiments, including measurements and computer simulations, interpret the

obtained results, and correctly draw conclusions from them

8. is able to, when formulating and solving tasks related to civil aviation, apply appropriately selected methods,

including analytical, simulation or experimental methods

Social competences:

1. is aware of the social role of a graduate of a technical university, in particular understands the need to formulate

and communicate to the public, in an appropriate form, information and opinions on engineering activities, technical

achievements, as well as the achievements and traditions of the engineering profession

2. correctly identifies and resolves dilemmas related to the performance of the engineering profession

aviation and
astronautics

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Aviation Practice

Programme content

Practical implementation of integrated training for the ATPL (A) frozen line pilot license

Course topics

not applicable

Teaching methods

Completion of internships based on the completed aviation training program

Bibliography

Basic:

not applicable

Additional:

not applicable

Breakdown of average student's workload

	Hours	ECTS
Total workload	127	5,00
Classes requiring direct contact with the teacher	7	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	120	4,50