



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Practical training I

### 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

2/4; 3/5-6; 4/7

Profile of study

general academic

Course offered in

polish

Requirements

elective

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

315

Projects/seminars

0

### Number of credit points

23

### Lecturers

Responsible for the course/lecturer:

PhD inż. Łukasz Brodzik

Responsible for the course/lecturer:

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phone: 61 665 2213

Faculty of Environmental Engineering and  
Energy

Piotrowo 3 st., 60-965 Poznań

### 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 basic knowledge of measurement methods, characteristics of measuring instruments and their classification according to purpose, principles of operation and features, knows sensors and measuring transducers, registration of results, measurement systems, measurement errors - the influence of external factors, statistical analysis of measurement results, principles of organization active and passive experiment
2. has expanded knowledge necessary for understanding profile subjects and specialist knowledge about construction, methods of construction, manufacture, operation, aircraft control, safety systems, impact on the economy, society and the environment in the field of aviation engineering for the specialty Aircraft Piloting
3. has basic knowledge in the field of technical diagnostics as well as methods and methods of solving issues of technical condition assessment and forecasting, knows: conditions for diagnosing technical objects, the essence of technical diagnostics of aviation engineering, tasks and objectives of technical diagnostics

#### Skills

1. knows how to use verbal communication with one additional foreign language at the everyday language level, is able to describe in this language issues from the field of study
2. can communicate using a variety of techniques in a professional environment and other environments using a formal record of construction, technical drawing, concepts and definitions of the scope of the studied field of study of Aeronautical Engineering
3. is able to use formulas and tables, technical and economic calculations using a spreadsheet and running a simple relational database

#### Social competences

1. is able to use formulas and tables, technical and economic calculations using a spreadsheet and running a simple relational database
2. Understands the need for critical assessment of knowledge and continuous learning
3. is able to inspire and organize the process of obtaining practical knowledge by other people in the workplace

### 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

### 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	575	23,0
Classes requiring direct contact with the teacher	325	13,0
Student's own work (literature studies, preparation for flights / passing aircraft construction, passing theoretical tests) <sup>1</sup>	250	10,0

<sup>1</sup> delete or add other activities as appropriate