



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Practical training I

### Course

Field of study

Aerospace Engineering

Area of study (specialization)

Onboard systems and aircraft propulsion

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/4

Profile of study

general academic

Course offered in

polish

Requirements

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

427

### Number of credit points

9

### Lecturers

Responsible for the course/lecturer:

PhD inż. Łukasz Brodzik

Responsible for the course/lecturer:

email: lukasz.brodzik@put.poznan.pl

tel.: 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 practical knowledge in the field 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
2. has expanded practical knowledge necessary to understand profile subjects and specialist knowledge about construction, methods of construction, manufacture, operation, aircraft control, safety systems, in the field of aerospace engineering for the specialty Aircraft engines and airframes
3. has basic practical knowledge in the field of technical diagnostics as well as methods of solving issues of technical condition assessment and forecasting in aerospace engineering

#### Skills

1. is able to organize and plan the process of technical maintenance of uncomplicated on-board equipment, machines or technical flying objects from the group covered by the specialty Aircraft engines and airframes
2. 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
3. is able to use the database related to technical inspections of aerospace components

#### Social competences

1. is able to properly set priorities for implementation of the task specified by himself or others related to the technical review of the technical condition of the aircraft component
2. understands the need for a critical assessment of practical knowledge and continuous education in this field
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:

Written exam

### Programme content

Acquaintance with the functioning of production or service enterprises carrying out activities related to the design, manufacture or operation in the field of Aerospace Engineering.

### Teaching methods

Credit for practical training based on the practical training report, certified by the enterprise, assessment of the practical training tutor by the enterprise.



## Bibliography

Basic

not applicable

Additional

not applicable

## Breakdown of average student's workload

	Hours	ECTS
Total workload	427	9,0
Classes requiring direct contact with the teacher	0	0,0
student's own work (preparation for tutorials, practical exercises ) 1	427	9,0

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