



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Internship [S1AiR1E>Prakt]

### Course

Field of study

Automatic Control and Robotics

Year/Semester

2/4

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

English

Form of study

full-time

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other

160

Tutorials

0

Projects/seminars

0

### Number of credit points

4,00

### Coordinators

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### Lecturers

### Prerequisites

A student starting this subject should have basic knowledge, skills and social competences resulting from the implementation of the study program for the field of Automatic Control and Robotics in the group of basic and major subjects.

### Course objective

Gaining practical knowledge of issues related to the field of study.

### Course-related learning outcomes

Knowledge:

Is familiar with the current status and latest development trends of the field of automation and robotics [K1\_W21 (P6S\_WG)].

Has the basic knowledge necessary to understand the non-technical conditions of engineering activities and the process of automation and robotisation in industry and households; knows the basic principles of occupational health and safety in industry [K1\_W24 (P6S\_WK)].

Has a basic knowledge of management, including quality management and doing business [K1\_W25 (P6S\_WK)].

Knows and understands the basic concepts and principles of industrial property protection and copyright; is able to use patent information resources [K1\_W26 (P6S\_WK)].

Knows and understands the general principles of creating and developing forms of individual entrepreneurship utilising knowledge of automation and robotics [K1\_W27 (P6S\_WK)].

Skills:

Can interpret with understanding the design technical documentation and simple technological diagrams of automation and robotics systems [K1\_U2 (P6S\_UW)].

Is able to apply the principles of health and safety at work [K1\_U19 (P6S\_UO)].

Be able to identify and formulate specifications for simple engineering tasks in the field of automation and robotics [K1\_U23 (P6S\_UW)].

Social competences:

Is aware of the importance and understands the non-technical aspects and consequences of engineering activities, including their impact on the environment and the related responsibility for decisions; is ready to care for the achievements and traditions of the profession [K1\_K2 (P6S\_KR)].

Is aware of the responsibility for his/her own work and is ready to follow the rules of teamwork and take responsibility for jointly implemented tasks; is able to lead a small team, set goals and determine priorities leading to the realisation of the task; is ready to play a responsible professional role. [K1\_K3 (P6S\_KR)].

Is ready to prioritise in order to complete a task defined by himself or others [K1\_K4 (P6S\_KO)].

The graduate is aware of the need for a professional approach to technical issues, meticulous familiarization with the documentation and environmental conditions in which the equipment and its components can operate. The graduate is ready to observe the rules of professional ethics and to demand it from others, to respect the diversity of opinions and cultures [K1\_K5 (P6S\_KR)].

Is ready to think and act in an entrepreneurial way [K1\_K6 (P6S\_KO)].

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:

An internship report certified by the internship tutor. An internship certificate issued by the host entity for the internship.

## Programme content

Training in practical knowledge of issues related to the field of study.

## Course topics

Training in occupational health and safety and fire regulations. Acquainting with the applicable work regulations and conditions for the protection of state and official secrets. Acquainting with the structure and functioning of the enterprise (institution). Implementation of an individual internship program. Preparation of a report on the course of internships.

## Teaching methods

Teaching methods should be adapted to the individual internship program.

## Bibliography

Basic

1. Regulamin organizacji praktyk studenckich objętych programem studiów na Wydziale Automatyki, Robotyki i Elektrotechniki.

2. Regulamin studiów stacjonarnych i niestacjonarnych pierwszego i drugiego stopnia uchwalony przez Senat Akademicki Politechniki Poznańskiej.

Additional

1. Obwieszczenie Ministra Gospodarki, Pracy i Polityki Społecznej z dnia 28 sierpnia 2003 r. w sprawie ogłoszenia jednolitego tekstu rozporządzenia Ministra Pracy i Polityki Socjalnej w sprawie ogólnych przepisów bezpieczeństwa i higieny pracy. Dz.U. 2003 nr 169 poz. 1650.

## Breakdown of average student's workload

	Hours	ECTS
Total workload	160	4,00
Classes requiring direct contact with the teacher	160	4,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	0	0,00