POZNAN UNIVERSITY OF TECHNOLOGY



EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS) pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name		
Internship		
Course		
Field of study		Year/Semester
Automatic Control and Robotics /studies conducted in English/ Area of study (specialization)		
		Profile of study
-		general academic
Level of study		Course offered in
First-cycle studies Form of study		english
		Requirements
full-time		compulsory
Number of hours		
Lecture	Laboratory classes	Other (e.g. online)
Tutorials	Projects/seminars	
	160	
Number of credit points		
4		
Lecturers		
Responsible for the course/lecturer: Responsible		esponsible for the course/lecturer:
Krzysztof Wandachowicz,		
email: Krzysztof.Wandach	nowicz@put.poznan.pl	
tel. 616652397		
Faculty of Control, Roboti	cs and Electrical	
Engineering		
Piotrowo 3A Street, 60-96	55 Poznań	
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

POZNAN UNIVERSITY OF TECHNOLOGY



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1. Is aware of the current state and the latest development trends in the field of automation and robotics.

2. Has basic knowledge necessary to understand the non-technical determinants of engineering activities and the process of automation and robotization in industry and households; knows the basic principles of occupational health and safety applicable in industry.

3. Has basic knowledge of management, including quality management and running a business.

4. Knows and understands the basic concepts and principles of the protection of industrial property and copyright; can use the resources of patent information.

5. Knows and understands the general principles of creating and developing forms of individual entrepreneurship, using knowledge of automation and robotics.

Skills

1. Can read and understand technical design documentation and simple technological diagrams of automation and robotics systems.

2. Can apply the principles of occupational health and safety.

3. Can identify and formulate the specification of simple engineering tasks in the field of automation and robotics.

Social competences

1. Is aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment and the related responsibility for decisions made, is ready to care for the achievements and traditions of the profession.

2. Is aware of responsibility for their own work and readiness to submit to the rules of teamwork and responsibility for jointly performed tasks; is able to lead a small team, set goals and set priorities leading to the implementation of a task; is ready to perform professional roles responsibly.

3. Is ready to define priorities in order to accomplish the task set by himself or others.

4. Is aware of the need for a professional approach to technical issues, scrupulous familiarization with the documentation and environmental conditions in which devices and their components may operate, is ready to comply with the principles of professional ethics and require others to do so, respect the diversity of views and cultures.

5. Is willing to think and act in an entrepreneurial manner.

Methods for verifying learning outcomes and assessment criteria

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. A questionnaire describing the achieved learning outcomes.



POZNAN UNIVERSITY OF TECHNOLOGY

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Programme content

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	4,0
Classes requiring direct contact with the teacher	100	4,0
Student's own work (literature studies, preparation for design	100	4,0
classes, preparation of the project, implementation of an		
individual internship program) ¹		

¹ delete or add other activities as appropriate