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				
Preparation for scientific re	esearch			
Course				
Field of study			Year/Semester	
Automatic Control and Rob	ootics		4/7	
Area of study (specializatio	n)		Profile of study	
			general academic	
Level of study			Course offered in	
First-cycle studies			polish	
Form of study			Requirements	
full-time			compulsory	
Number of hours				
Lecture	Laboratory c	lasses	Other (e.g. online)	
Tutorials	Projects/seminars			
6		initians		
Number of credit points	0			
1				
Lecturers				
Responsible for the course/lecturer:		Respons	Responsible for the course/lecturer:	
prof. dr hab. inż. Krzysztof Kozłowski		-	prof. dr hab. inż. Andrzej Kasiński	
email: krzysztof.kozlowski@put.poznan.pl		email: a	email: andrzej.kasinski@put.poznan.pl	
tel. 61 6652199 Faculty of Control, Robotics and Electrical Engineering		Faculty	Faculty of Control, Robotics and Electrical Engineering Poznań, ul. Piotrowo 3a	
		Enginee		
		Poznań,		
Poznań ul Piotrowo 3a				

Poznań, ul. Piotrowo 3a

Prerequisites

A student starting this subject should have the knowledge, skills and competences acquired in the previous years of study - knowledge, skills and competences of an in-depth nature that can be used in conducting scientific research. In addition, in terms of social competences, the student must present attitudes such as honesty, responsibility, perseverance, cognitive curiosity, creativity, personal culture, respect for other people.

Course objective

The main aim of the seminar "Preparation for scientific research" is to present the basic methodology of



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conducting research in the field of Automation and Robotics and to present the subject of research conducted in the units assigned to this field.

Course-related learning outcomes

Knowledge

1. is familiar with the current state and the latest development trends in the field of automation and robotics;

2. knows the basic methods, techniques, tools and materials used to solve simple engineering tasks in the field of automation and robotics;

Skills

1. is able to obtain information from literature, databases and other sources also in a selected foreign language;

2. is able to communicate using various techniques in the professional environment and in other environments;

3. has self-education skills in order to raise and update professional competences;

Social competences

1. understands the need and knows the possibilities of continuous learning: improving professional, personal and social competences, can inspire and organize the learning process of other people;

2. is aware of the social role of a technical university graduate and understands the need to formulate and transmit to the society (in particular through the mass media) information and opinions on the achievements of automation and robotics and other aspects of engineering activities; makes efforts to provide such information and opinions in a commonly understandable manner;

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows: Formative evaluation within the scope of the seminar: on the basis of evaluation of activity in the discussion;

Summative assessment: Checking the assumed learning outcomes is carried out by: assessing the increase in the ability to use the learned principles and methods;

Programme content

As part of the seminar, the methodology of conducting scientific research in the field of Automation and Robotics will be presented in the basic scope and the subject of scientific research conducted in the units assigned to this field will be presented.

Teaching methods

Presentations, discussions and consultations in the field of ongoing research projects

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Basic

Additional

Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,0
Classes requiring direct contact with the teacher	8	0,5
Student's own work (literature studies, preparation for seminars,	17	0,5
making presentations) ¹		

¹ delete or add other activities as appropriate