



Subject card

Subject name and code	BSc Diploma Project I, PG_00047943						
Field of study	Automatic Control, Cybernetics and Robotics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	first-cycle studies		Subject group		Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Decision Systems And Robotics -> Faculty Of Electronics Telecommunications And Informatics -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Tomasz Białaszewski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		2.0		18.0	50
Subject objectives	Implementation of the diploma						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_K01] is ready to cultivate and disseminate models of proper behaviour in and outside the work environment; make independent decisions; critically evaluate actions of their own, teams they lead and organisations they are part of; take responsibility for results of these actions; responsibly perform professional roles, including:n - observing rules of professional ethics and require it from others,n - care for the achievements and traditions of the professionn	The student is ready to disseminate patterns of proper behavior in the environment, make decisions, critically evaluate (teams he manages or participates in), accept responsibility, perform professional roles, adhere to the principles of professional ethics and care for the achievements and traditions of the profession	[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills
	[K6_U03] can design, according to required specifications, and make a simple device, facility, system or carry out a process, specific to the field of study, using suitable methods, techniques, tools and materials, following engineering standards and norms, applying technologies specific to the field of study and experience gained in the professional engineering environment	The student is ready to fulfill social obligations, co-organize environmental activities, initiate actions for the benefit of society, as well as entrepreneurial thinking and action.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
	[K6_U08] while identifying and formulating specifications of engineering tasks related to the field of study and solving these tasks, can:n- apply analytical, simulation and experimental methods,n- notice their systemic and non-technical aspects,n- make a preliminary economic assessment of suggested solutions and engineering work n	The student is able to use analytical, simulation and experimental methods, see their system and non-technical aspects, and make a preliminary economic assessment of the proposed solutions and undertaken engineering activities	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
	[K6_U11] can plan and organise individual and team work	The student is able to plan and organize individual work and team work	[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
Subject contents	Implementation of the diploma		
Prerequisites and co-requisites	Completing the subjects of the previous semester		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	completed diploma	50.0%	100.0%
Recommended reading	Basic literature	W.L. Brogan: Modern control theory, Prentice Hall, Englewood Cliffs, 1974. K.J. Astrom, B Wittenmark: Computer-controlled systems. Prentice Hall, Upper Saddle River, 1997 B.C. Kuo: Automatic Control Systems. Prentice-Hall, Englewood Cliffs 1987	
	Supplementary literature	J. Korbicz, J.M. Kościelny, Z. Kowalczyk, W. Cholewa, Fault Diagnosis. Models, Artificial Intelligence, Applications, Springer Verlag [ISBN 3-540-40767-7], Berlin, Heidelberg, New York, Hong Kong, London, Milan, Paris, Tokyo 2004 B.D.O. Andersson, J.B. Moore: Optimal Filtrering, Prentice Hall, Englewood Cliffs 1979	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			

Work placement	Not applicable
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