

Politechnika Świętokrzyska

WYDZIAŁ ELEKTROTECHNIKI, AUTOMATYKI I INFORMATYKI

Załącznik nr 9 do Zarządzenia Rektora PŚk Nr 35/19 w brzmieniu ustalonym Zarządzeniem Nr 12/22

COURSE DESCRIPTION

Course code	full-time studies				
	part-time-studies				
Course name	Projekt zespołowy				
Course name in English	Team Project				
Valid from academic year	2022/23				

PLACEMENT IN THE TEACHING PROGRAM

Field of study	Computer Science
Level of education	1 st degree
Studies profile	General
Form and method of teaching classes	Full-time and part-time studies
Specialization	Information and communication technology
Organizational unit responsible for the course	Katedra Systemów Informatycznych
Course coordinator	dr inż. Mirosław Płaza
Approved by	Dean of the Faculty of Electrical Engineering, Automatic Control and Computer Science Roman Deniziak, KUT prof., DSc, PhD

GENERAL CHARACTERISTIC OF THE COURSE

Course affiliation		Speciality						
Course status		Obligatory						
Language		English						
Somostor	full-time studies	Semester VI						
Semester	part-time-studies	Semester VII						
Requirements		Computer networks, Routing and Switching Essentials, Internet of Things, Network pro- gramming						
Exam (YES/NO)		NO						
ECTS		3						

Course form		lecture	classes	laboratory	project	other
Hours per	full-time studies				45	
semester	part-time-studies				27	

LEARNING RESULTS

Category	Result Symbol	Learning Results	References to the field of study results
Knowledge	W01	Students have a structured knowledge of the techniques of designing algorithmic constructs and their implemen- tation in various programming languages including task division.	INF1_W23
	W02	Students have the knowledge to evaluate the usefulness of a given programming approach to solve specific engi- neering problem.	INF1_W23
	U01	Students are able to analyze, on their own, simple prob- lems related to the prepared project, starting from its precise formulation and assessment of complexity, through specifications, indication of various solutions to implementation details.	INF_U23
SKIIIS	U02	Students can program in selected modern programming languages.	INF_U23
	U03	INF_U23	
Social	K01	Students are prepared to work in a team, assuming dif- ferent roles in it; they understand the necessity of sys- tematic work on long-term projects.	INF1_K1 INF1_K2
competence	K02	Students are prepared to appropriately define priorities for the achievement of a task set by themselves or others.	INF1_K1 INF1_K2

COURSE CONTENT

Course Form	Content
project	 IT/ICT project assignment topics include the following issues: literature analysis of existing solutions to a given engineering problem, analysis and selection of appropriate techniques for effective implementation of the given problem with justification of the choices made, design of the system/task under development, along with a description of the techniques and tools used, preparation of project documentation, which describes in detail the executed project along with the project assumptions – the documentation is prepared independently by the team implementing the project, description of how to implement the developed solution along with the user manual, analysis of further development possibilities of the prepared solution,

Result Symbol	Learning results verification methods									
	Oral Exam	Written Exam	Midterm	Project	Report	Other				
W01				Х						
W02				Х						
U01				Х						
U02				Х						
U03				Х						
K01				Х						
K02				X						

LEARNING RESULTS VERIFICATION METHODS

ASSESSMENT FORMS AND CRITERIA

Course Form	Assessment Form	Assessment Criteria
project	pass with a grade	Obtaining at least 50% of points from the completed project.

STUDENT'S VOLUME OF WORK

ECTS Balance												
No	Activity Type	Student Involvement									Unit	
NO.	Activity Type	f	full-time studies			part-time-studies						
1	Participation in classes according	Lec	С	Lab	Ρ	S	Lec	С	Lab	Ρ	S	h
1.	to the schedule				45					27		11
2.	Other (consultations, exams)				2					2		h
3.	Total with the direct assist of an academic teacher			47			29					h
4.	Number of ECTS, that students obtains with the direct assist of an academic teacher	1,88					1,16				ECTS	
5.	Hours of unassisted student work	28					46				h	
6.	Number of ECTS that student obtains working unassisted		1,12					1,84				ECTS
7.	Practical classes volume of work		45 27						27		h	
8.	Number of ECTS obtained by student at practical classes		1,80					1,08				ECTS
9.	Total student's volume of work expressed in hours	75 75						h				
10.	ECTS	3										