GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Programming of Internet Applications, PG_00044103		
Field of study	Automation, Robotics and Control Systems		
Date of commencement of studies	February 2022	Academic year of realisation of subject	2022/2023
Education level	second-cycle studies	Subject group	
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	2	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Control Engineering -> Faculty of Electrical and Control Engineering		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Andrzej Kopczyński	
	Teachers		

Lesson type and method of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	15.0	0.0	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	10.0	35.0	75

Subject objectives

HTML5. Designing the visual layer of web applications - CSS styles (Bootstrap framework, dynamic language of LESS and SASS stylesheets). Practical use of JavaScript - jQuery library. Object document model DOM (Document Object Model). Programming of information systems working in the environment of the Internet network using the PHP language in the object version. Relational databases. Laravel - framework PHP.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_U03		
K7_U07		
K7_W11		
K7_W08		
K7_W06		
K7_U04		

Subject contents

Hypertext markup language - HTML5. Designing the visual layer of web applications based on the Bootstrap framework. Css preprocessors. Programming of information systems working in the Internet environment using the PHP language. Relational databases and programming using the SQL language. Git - version control system.

Prerequisites and co-requisites

Basic programming skills in the following languages: HTML, CSS.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Theoretical test	50.0%	40.0%
Practical project	50.0%	60.0%

Recommended reading

Basic literature

1. L.Welling , L.Thomson, PHP and MySQL Web Development
2. K. Tatroe, Programming PHP: Creating Dynamic Web Pages

Supplementary literature

1. J.Lockhart, Modern PHP: New Features and Good Practices

eResources addresses

Example issues/ example questions/ tasks being completed	1. The definition of a rule in CSS. 2. Assumptions of MVC architecture. 3. Cascading in CSS. 4. The access specifiers in PHP. 5. The advantages of the Git system.
Work placement	Not applicable