University of Gdańsk

Subject card

Subject name and code	Introduction to Web Technology, PG_00197991						
Field of study	Informatics						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2026/2027			
Education level	Bachelor's studies		Subject group	Obligatory subject group in the field of study			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	1		Language of instruction	Polish			
Semester of study	1		ECTS credits	3.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Institute of Informatics -> Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Wiesław Pawłowski					
	Teachers						

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	30.0	0.0	0.0	45

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	45	0.0	30.0	75

Subject objectives

The course is designed to familiarize students with elementary technologies and tools related to web development, which are then applied in many other fields.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[INFOL3_U06] is able to select and apply appropriate IT methods and tools to solve complex problems, is able to use acquired knowledge by appropriately selecting sources and information derived from them, and perform evaluation, critical analysis, and synthesis of this information	Knows how to use basic Web development tools - HTML, (S)CSS, and JavaScript	[SU4] test/exam - oral or written
[INFOL3_W08] knows and understands advanced concepts in the field of network technologies, including communication protocols, security and construction of network applications	Has basic knowledge of HTTP protocol and its usage	[SW4] test/exam - oral or written

Subject contents

- HTML language
- Cascading style sheets – CSS and SASS/SCSS languages
- JavaScript and elements of the DOM API
- Basic tools to support the web content creation process

Prerequisites and co-requisites

none

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>programming colloquium</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>• Lecture materials (slides and example code).
• Chuck Musciano, Bill Kennedy, HTML & XHTML: The Definitive Guide,6th Edition, O'Reilly, 2006.
• Jeremy Keith, HTML5 for Web Designers, A Book Apart, 2010.
• David Sawyer McFarland, CSS: The Missing Manual 4th Edition, O'Reilly Media, 2015.
• Eric A. Meyer, CSS: The Definitive Guide, 3rd Edition, O'Reilly Media, 2006.</td></tr>
<tr><td>Supplementary literature</td><td>none</td></tr>
<tr><td>eResources addresses</td><td>Supplementary
https://eloquentjavascript.net/ - Marijn Haverbeke – “Eloquent JavaScript”, 4th edition (2024)</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2"></td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
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