

Subject card

Subject name and code	Introduction to Web Technology, PG_00204157						
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	practical	Assessment form				credit	
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Aleksandra Tejszerska-Rzeźnik				
	Teachers						
Lesson types	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		0.0		45.0	75
Subject objectives	The course aims to acquaint students with basic technologies and tools related to web programming, which are subsequently applicable in many other fields.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[INFPL3_K02] is ready to recognize the importance of knowledge in solving cognitive problems and practical and seeking opinions experts in case of difficulties with independent problem solving	The student is able to utilize the skill of precisely formulating questions in practical tasks, such as projects, case studies, or group discussions.	[SK1] oral statement/conversation/discussion
	[INFPL3_U02] is able to obtain information from literature, the Internet and other sources, critically analyze and synthesize this information, and assess its credibility and draw conclusions; can learn effectively throughout life, independently acquiring new technical competences and adapting to technological changes	The student is able to evaluate the reliability and credibility of the acquired information, considering its source and context.	[SU4] test/exam - oral or written
	[INFPL3_U03] is able to cooperate with other people within teamwork, including being able to manage his/her time, make commitments, communicate using various techniques in the professional environment, including the use of dedicated tools; is able to present different opinions and alternative technical solutions in the project team, explaining their basis, consequences and impact on the project implementation	The student is able to plan and organize their tasks in a way that efficiently manages time and resources.	[SU4] test/exam - oral or written
	[INFPL3_W07] knows and understands facts and methods to an advanced degree in the field of designing, developing, testing, implementing and maintaining web applications and their security; applies this knowledge in practical projects, creating web applications and preparing their functional and performance tests	Student knows simple tools for designing web pages, such as HTML and CSS editors and is able to use them	[SW4] test/exam - oral or written
Subject contents	<ul style="list-style-type: none"> • HTML5 • Cascading Style Sheets (CSS) • CSS - Box Model • SCSS (vs CSS) • Positioning • CSS Grid • Flexbox • Media Queries 		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Midterm exam	51.0%	100.0%
Recommended reading	Basic literature	No required literature	
	Supplementary literature	<ul style="list-style-type: none"> • David Sawyer McFarland, CSS. Nieoficjalny podręcznik. Wydanie IV, Helion, 2016. • Alex Libby, Learning Less.js, PACKT Publishing, 2014. • Jon Duckett, HTML i CSS. Zaprojektuj i zbuduj witrynę WWW. Podręcznik Front-End Developera, Helion, 2014. • Oficjalna dokumentacja MDN Web Docs • Oficjalna dokumentacja SCSS 	
	eResources addresses		
Example issues/example questions/tasks being completed	no applicable		
Work placement	Not applicable		

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