



Subject card

Subject name and code	Hypertext and hypermedia, PG_00045355						
Field of study	Data Engineering						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study 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	1	Language of instruction			English		
Semester of study	1	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Intelligent Interactive Systems -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Wioleta Szwoch					
	Teachers	dr inż. Wioleta Szwoch dr Magdalena Godlewska dr hab. inż. Jan Daciuk					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	6.0	20.0	0.0	41
	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	41	2.0		32.0		75
Subject objectives	Course aims at practical knowledge and skills of hypertext and hypermedia.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U02] prepares and presents convincingly professional presentations of the results of undertaken activities, with their advanced interpretation	The student describes the basic issues of the presentation, transformation and synchronization information, describes the technologies of hypermedia, and presents its own system of acquisition and presentation of information with the use of selected technologies			[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment		
	[K6_W04] demonstrates creative and entrepreneurial activity in formulating and implementing innovative ideas	Student can arrange access to services exposed on the network. Student presents its own system of acquisition and presentation of information with the use of selected technologies.			[SW3] Assessment of knowledge contained in written work and projects		
	[K6_W06] classifies the acquired information, assessing its usefulness in solving the formulated problems	The student describes the basic issues of the presentation, transformation and synchronization information, describes the technologies of hypermedia.			[SW1] Assessment of factual knowledge		

Subject contents	1. Introduction to Internet. 2. Languages describing of document structure. 3. HTML, 4. CSS 5. XML Logical structure and presentation 6. DTD and XML Schema languages describing documents 7. Transformation XSL 8. Formating Objects (XSL:FO) 9. Conecting content : XPath, XLink, XPointer 10. SVG														
Prerequisites and co-requisites	No requirements														
Assessment methods and criteria	<table border="1" data-bbox="448 943 1487 1081"> <thead> <tr> <th data-bbox="448 943 794 976">Subject passing criteria</th> <th data-bbox="794 943 1141 976">Passing threshold</th> <th data-bbox="1141 943 1487 976">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 976 794 1010">Laboratory tasks</td> <td data-bbox="794 976 1141 1010">50.0%</td> <td data-bbox="1141 976 1487 1010">30.0%</td> </tr> <tr> <td data-bbox="448 1010 794 1043">Lecture: Written test</td> <td data-bbox="794 1010 1141 1043">50.0%</td> <td data-bbox="1141 1010 1487 1043">30.0%</td> </tr> <tr> <td data-bbox="448 1043 794 1081">Project</td> <td data-bbox="794 1043 1141 1081">50.0%</td> <td data-bbox="1141 1043 1487 1081">40.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Laboratory tasks	50.0%	30.0%	Lecture: Written test	50.0%	30.0%	Project	50.0%	40.0%
Subject passing criteria	Passing threshold	Percentage of the final grade													
Laboratory tasks	50.0%	30.0%													
Lecture: Written test	50.0%	30.0%													
Project	50.0%	40.0%													
Recommended reading	Basic literature	1. Bates, Ch.: XML in Theory and Practice, John Wiley & Sons, 2003 2. Mangano, S.: XSLT. Receptury. Helion 2007													
	Supplementary literature	w3schools.com													
	eResources addresses	Adresy na platformie eNauczanie: Hypertext and hypermedia 2024/25 - Moodle ID: 41704 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=41704													
Example issues/ example questions/ tasks being completed	HTML, XML, XML Schema, XSLT,														
Work placement	Not applicable														

Document generated electronically. Does not require a seal or signature.