GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Hypertext and Hypermedia, PG_00047378		
Field of study	Biomedical Engineering		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2023/2024
Education level	first-cycle 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	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 hab. inż. Robert Bogdanowicz dr hab. inż. Marcin Gnyba dr inż. Wioleta Szwoch dr inż. Michał Sobaszek dr inż. Agnieszka Czapiewska dr inż. Katarzyna Karpienko	

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	6.0	28.0	75

Subject objectives	Konwledge about key concepts of hipertext and hipermedia

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[K6_U07] can apply methods of process and function support, specific to the field of study</td><td>The student presents his own system of acquiring and presenting information using selected technologies.</td><td>[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[K6_W04] Knows and understands, to an advanced extent, the principles, methods and techniques of programming and the principles of computer software development or programming devices or controllers using microprocessors or programmable elements or systems specific to the field of study, and organisation of systems using computers or such devices</td><td>The student describes the basic issues of presentation, transformation and synchronization of information in a distributed system, describes modern technologies for the implementation of hypermedia and related services, and presents its own system for acquiring and presenting information using selected technologies.</td><td>[SW1] Assessment of factual knowledge</td></tr>
<tr><td>[K6_U04] can apply knowledge of programming methods and techniques as well as select and apply appropriate programming methods and tools in computer software development or programming devices or controllers using microprocessors or programmable elements or systems specific to the field of study</td><td>The student presents his own system of acquiring and presenting information using selected technologies.</td><td>[SU1] Assessment of task fulfilment</td></tr>
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<tr><td>Subject contents</td><td>1. Introduction to hypertext and hypermedia 2. Document structure description with markups. 3. HTML syntax 4. Web page design: text, lists, multimedia. interactive forms creation: actions and data, tables 5. Cascading Style Sheets 6. XML: document structure vs presentation 7. DTD, XML Schema document definitions 8. XSL transformation 9. Transclusion: XPath, XLink, XPointer 10. Animation: SVG</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Midterm colloquium</td><td>50.0%</td><td>30.0%</td></tr>
<tr><td>Project</td><td>50.0%</td><td>40.0%</td></tr>
<tr><td>Laboratory</td><td>50.0%</td><td>30.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>Bates, Ch.: XML in Theory and Practice, John Wiley & Sons, 2003
Mangano, S.: XSLT. Receptury. Helion 2007 Kurs języka HTML - poradnik webmastera: http://webmaster.helion.pl/kurshtml/

Jon Duckett: HTML i CSS. Zaprojektuj i zbuduj witrynę WWW. Podręcznik Front-End Developera, Helion 2018</td></tr>
<tr><td>Supplementary literature</td><td>No requirements</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>HTML, XML, XML Schema, XSLT,</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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