



1.	<b>Course title</b>	Multimedia and scalable web
2.	<b>Course code</b>	СИ-И-04
3.	<b>Semester</b>	9
4.	<b>Unit offering the course</b>	Faculty of Computer Science and Engineering
5.	<b>ECTS</b>	6
6.	<b>Goals of the study programme</b>	
	Upon completion of the course, students are expected to be able to develop web pages with modern design, including structure, architecture, compatibility with various devices, use of cascading styles, usability, scalability with different number of users, search engine optimization, etc. Candidates are expected to 1. Demonstrate an advanced understanding of the importance of good design, interaction, and usability of websites on a variety of platforms and devices. 2. Demonstrate practical design knowledge and usability and be able to apply knowledge in designing effective multimedia websites. 3. Communicate with terminology specific to this area. 4. Critically evaluate examples of website design and interactivity, including evaluating their own products. 5. Demonstrate awareness of strategies related to understanding the needs of users of web multimedia products.	
7.	<b>Contents of the study programme</b>	
	The use of multimedia content in web products including standards and technologies. Use of different multimedia technologies, combinations of multimedia technologies. Multimedia web design, streaming media, advanced multimedia scripting, multimedia web application testing, web accessibility, mobile multimedia applications, HTML 5 Canvas, JavaScript. Search Engine Optimization - SEO. Multimedia web applications for mobile devices such as mobile phones and drops, but also large screens, TVs. Game development, design, mobile browsers, multimedia content categories. Scalable web design.	