INTERNET TECHNOLOGY

Title of Study Programme and Code	Type (compulsory/optional)	Cycle	Year of study when the component is delivered (if applicable)
Information Systems Engineering 6531EX043	Compulsory	1st	2nd year
Semester/trimester when the component is delivered	**Number of ECTS credits allocated**	**Language of instruction**	**Mode of delivery (face-to-face/e-learning/…)**
4th	5 ECTS	English	

Learning outcomes		Study methods	Assessment methods
After completion of the study subject, a student should be able to:		Lectures; Analysis of information sources; Individual practical works.	Assessment of practical works; Control work; Exam.
LO 1	Install and configure the necessary website development software.		
LO 2	Use different website development languages.		
LO 3	Design, create and publish dynamic website.		
LO 4	Know the criteria for evaluating website quality.		
LO 5	Know the security vulnerabilities of websites and possible ways to avoid them.		
LO 6	Understand potential breach of copyright publishing the materials in website and responsibilities for this.		

Prerequisites (these courses must be sucessfully completed prior to taking this particular course)
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Course content
1. Website quality criteria and rating. Website as the subject to copyright. Web site security. 2. Web development tools. 3. HTML (Hyper Text Markup Language). 4. PHP (Personal Home Page Tools). 5. CSS structure, rules, properties and usage. Inserting of styles. 6. Database management system MySQL. Database management by PHP tools. 7. Script language JavaSript. 8. Website structure design, development, hosting server.

Recommended or required reading and other learning resources/tools
1. Gerda Ivanickienė. The theoretical material and practical tasks. 2. Quality Criteria for Website Excellence: http://www.100bestwebsites.org/criteria.htm

3. HTML5 Tutorial: https://www.w3schools.com/html/default.asp
4. CSS Tutorial: https://www.w3schools.com/css/default.asp
5. JavaScript Tutorial: https://www.w3schools.com/js/
6. PHP 5 Tutorial: https://www.w3schools.com/php/default.asp
7. PHP MySQL Database: https://www.w3schools.com/Php/php_mysql_intro.asp