DESCRIPTION OF STUDY MODULE[*]

Study programme	**Applied Informatics and Programming**		

Study module	**WEBSITE PROGRAMMING**	**Credits in total**	**5**

Learning outcomes
− Able to explain the main functions, purpose and possibilities of web page development technologies, such as HTML, CSS, XML and JavaScript. − Able to name the possibilities, advantages and disadvantages which popular content management systems, such as "Joomla", "Drupal", "ImpressPages", and "WordPress" provide. − Able to name the principles of web page usability. − Understand the graphical composition of design objects and the visual effect of graphical elements. − Manage to create an HTML5 and CSS3-based website which is simple, but well-structured and responsive to mobile devices. − Manage to create simple elements of web page dynamics using JavaScript programming language. − Able to use "WordPress" content management system and adapt a non-standard appearance template (theme). − Individually study the visual material and analyse the examples. − Develop time management skills.

Aims of study module
The objective of the study subject is to teach students to create a simple, yet properly-designed website using HTML5 for structure formation, CSS3 for style and JavaScript for dynamics. At the end of the course, students learn to create a website using 'WordPress' content management system.

Annotation of a study module
The course provides students with the basics of website development using HTML5 for web page structure formation, CSS3 for style and JavaScript for dynamics. Students learn how to properly create the structure of their webpage to ensure their website is responsive to different devices. Furthermore, they practise selecting suitable font types and colours, creating forms and simple elements of dynamics to animate the website. At the end of the course, students are provided with information on content management systems (TVS). Then students compare a few most popular TVS and practise working with WordPress content management system. Practical activities of the course develop students' practical skills in performing the assigned tasks and developing their own project, namely their website.

Topics of the subject
1. Internet. HTML & XHTML 2. Typography, colour scheme, website structure, usability. 3. Website basics (HTML) 4. CSS basics 5. Layout and positioning 6. Menu design. 7. Forms 8. HTML5 & CSS3 additional opportunities 9. JavaScript basics 10. JavaScript basics 11. Content Management Systems 12. Content Management Systems „Wordpress"

Procedure for assessment of knowledge and competences
10-point grading scale and cumulative assessment method: portfolio (Po) (10 practical works) is worth 10%, Control tests (CT) - 10%, project (Pr) – 20%, and examination (E) - 50% of the total grade, which is calculated by the method of weighted mean. Final grade of the course is calculated only when all of the assignments are successfully completed and midterms are passed: G = Po*0.1+CT1*0.10+CT2*0.10+Pr*0.2+E*0.5

Main literature
1. J. N. Robbins (2012). *Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics*. O'Reilly Media; 4 edition. 624 p. 2. Ch. Schmitt (2011). *CSS kalba ir pakopiniai stiliai profesionalams: tinklalapių kūrimas*. Smaltijos leidykla. 312 p. 3. A. Čepulkauskas, G. Kulvietis (2006). *Interneto svetainių kūrimas ir palaikymas*. Vilnius: Technologija. 59 p.