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|---|--|------------------|-------------------------|-------------------------|----|-----------|-----|
| Program   | Level  |                  | Schort cycle            |                         |    |           |     |
|   | Name of the program  |                  | Infomation Technologies |                         |    |           |     |
| <b>COURSE</b>   |  |                  |                         |                         |    |           |     |
| Course title  | <b>Web Programming I</b>   |                  |                         |                         |    |           |     |
| Course code   | Semester   | Course status    | ECTS                    | Contact hours (L+AE+LE) |    |           |     |
| IT 120  | I  | Mandatory course | 8                       | 2+0+2                   |    |           |     |
| Lecturer  |  |                  |                         |                         |    |           |     |
| Cilj predmeta   | Define the basics in web design and Define the principle of Web page design. Recognize the elements of HTML. Introduce basics concept and developo of CSS. |                  |                         |                         |    |           |     |
| Learning Outcomes   | Basic knowledge in HTML tags, CSS and JavaScript & skill of creating web pages should be known.  |                  |                         |                         |    |           |     |
| <b>COURSE CONTENT</b>   |  |                  |                         |                         |    |           |     |
| HTML Foundations, Managing Information with Lists and Tables, Making Connections with Links, Adding Images, Creating Forms, Styling With CSS, Styling Text Selectors, Class, and Style, Borders and Backgrounds Building Floating Page Layouts, Styling Lists and Menus Client-Side Programming with JavaScript Making Decisions with Conditions, Loops and Debugging Functions, Arrays, and Objects Getting Valid Input, Animating Your Pages  |  |                  |                         |                         |    |           |     |
| <b>LITERATURE</b>   |  |                  |                         |                         |    |           |     |
| [1] MobiPocket; Elizabeth Castro, HTML, XHTML, and CSS: Visual Quick Start Guide; 2006.<br>[2] Ian Lloyd , Build Your Own Web Site The Right Way Using HTML & CSS, 2nd Edition; 2008.<br>[3] Thomas A. Powell, HTML & CSS: The Complete Reference, Fifth Edition, McGraw-Hill Osborne Media; 2010.<br>[4] Dan Thompson, BASIC HTML - A STEP-BY-STEP Guide on How to Creating Your First Website from Beginning to End, 2010.<br>[5] Learning Web Design: A Beginner's Guide to (X)HTML, StyleSheets, and Web Graphics; Jennifer Niederst Robbins; Aaron Gustafson; 2007.<br>[6] Chuck Musciano and Bill Kennedy , HTML & XHTML: The Definitive Guide; O'Reilly; 2009.<br>[7] Rob Huddleston , HTML, XHTML, and CSS: Your visual blueprint for designing effective Web pages; 2008.<br>[8] Laura Lemay; Rafe Colburn ,Sams Teach Yourself Web Publishing with HTML and CSS in One Hour a Day: Includes New HTML5 Coverage (6th Edition); 2010.<br>[9] David Flanagan , JavaScript, O'Reilly, 2006.<br>[10] HTML, XHTML, & CSS, by Andy Harris, Wiley Publishing, Inc. 2011 |  |                  |                         |                         |    |           |     |
| <b>STUDENT WORKLOAD (hours in a semester)</b>   |  |                  |                         |                         |    |           |     |
| Lectures  | 30   | Exercises        | 30                      | Individual work         | 65 | T o t a l | 125 |
| <b>GRADING</b>  |  |                  |                         | <b>REMARKS</b>          |    |           |     |
| Criterion   | Maximum points   | Minimum points   |                         |                         |    |           |     |
| Midterm exams   | 5  | 3                |                         |                         |    |           |     |
| Homework  | 5  | 3                |                         |                         |    |           |     |
| Projects  | 40   | 21               |                         |                         |    |           |     |
| Seminar   | 5  | 3                |                         |                         |    |           |     |
| Final exam  | 45   | 25               |                         |                         |    |           |     |
| T o t a l   | 100  | 55               |                         |                         |    |           |     |