

| Course Name : WEB Programing |                                                             |                  |                       |                       |                    |         |      |
|------------------------------|-------------------------------------------------------------|------------------|-----------------------|-----------------------|--------------------|---------|------|
| Course Code                  | Course Type                                                 | Regular Semester | Lecture (hours/week ) | Seminar (hours/week ) | Lab. (hours/week ) | Credits | ECTS |
| CMP 211                      | B                                                           | Fall             | 3.00                  | 0.00                  | 1.00               | 3.50    | 5.00 |
|                              |                                                             |                  |                       |                       |                    |         |      |
| Lecturer                     |                                                             | Klevis Topi, Msc |                       |                       |                    |         |      |
| Assistant                    |                                                             |                  |                       |                       |                    |         |      |
| Course language              |                                                             | Albanian         |                       |                       |                    |         |      |
| Course level                 |                                                             | Bachelor         |                       |                       |                    |         |      |
| Description                  |                                                             |                  |                       |                       |                    |         |      |
| Objectives                   |                                                             |                  |                       |                       |                    |         |      |
| Core Concepts                |                                                             |                  |                       |                       |                    |         |      |
| Course Outline               |                                                             |                  |                       |                       |                    |         |      |
| Week                         | Topic                                                       |                  |                       |                       |                    |         |      |
| 1                            | Internet history, introduction to HTTP protocol, HTML       |                  |                       |                       |                    |         |      |
| 2                            | Forms in HTML and introduction to XHTML                     |                  |                       |                       |                    |         |      |
| 3                            | Introduction to CCS (Cascade Style Sheets)                  |                  |                       |                       |                    |         |      |
| 4                            | Cascade Style Sheet (CCS)                                   |                  |                       |                       |                    |         |      |
| 5                            | Introduction to Javascript, Functions, Objects, Events      |                  |                       |                       |                    |         |      |
| 6                            | Control structures and Arrays in Javascript                 |                  |                       |                       |                    |         |      |
| 7                            | DOM and events. Introduction to the structure of a website  |                  |                       |                       |                    |         |      |
| 8                            | Midterm                                                     |                  |                       |                       |                    |         |      |
| 9                            | XML                                                         |                  |                       |                       |                    |         |      |
| 10                           | Introduction to PHP, Variables                              |                  |                       |                       |                    |         |      |
| 11                           | Control structures in PHP                                   |                  |                       |                       |                    |         |      |
| 12                           | Functions in PHP                                            |                  |                       |                       |                    |         |      |
| 13                           | PHP and database connection                                 |                  |                       |                       |                    |         |      |
| 14                           | Implementing a website                                      |                  |                       |                       |                    |         |      |
| 15                           | Project submission and presentation: Implementing a website |                  |                       |                       |                    |         |      |
| 16                           | Final Exam                                                  |                  |                       |                       |                    |         |      |

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|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|
| <b>Prerequisites</b>                                                     | The student must attend the course at a minimum rate of 75%.                                                                                                                                                                                                                                                             |                         |                      |
| <b>Literature</b>                                                        | <ul style="list-style-type: none"><li>• Deitel and Deitel, Internet &amp; World Wide Web How to Program, 4th Edition, 2008, Pearson Education, Inc</li><li>• Jay Greenspan and Brad Bulger, MySQL/PHP Database Applications, 2001, IDG Books Worldwide, Inc.</li></ul>                                                   |                         |                      |
| <b>References</b>                                                        | <ul style="list-style-type: none"><li>• John Ducket, Wiley, Beginning Web Programming with HTML, XHTML, and CSS, 1st Edition, 2004.</li><li>• Paul Wilton and Jeremy MvPeak, Beginning JavaScript, 3rd Edition, 2007, Wiley.</li><li>• Endri Xhina, Edlira Kalemi, Programim në Web, 2014, Mediaprint, Tiranë.</li></ul> |                         |                      |
| <b>Course Outcome</b>                                                    |                                                                                                                                                                                                                                                                                                                          |                         |                      |
| <b>1</b>                                                                 | Understand the concepts and basics of web technology.                                                                                                                                                                                                                                                                    |                         |                      |
| <b>2</b>                                                                 | Developing a simple web page.                                                                                                                                                                                                                                                                                            |                         |                      |
| <b>3</b>                                                                 | Understanding client-side and server-side web applications.                                                                                                                                                                                                                                                              |                         |                      |
| <b>Course Evaluation</b>                                                 |                                                                                                                                                                                                                                                                                                                          |                         |                      |
| <b>In-term Studies</b>                                                   |                                                                                                                                                                                                                                                                                                                          | <b>Quantity</b>         | <b>Percentage</b>    |
| Midterms                                                                 |                                                                                                                                                                                                                                                                                                                          | 1                       | 10                   |
| Quizzes                                                                  |                                                                                                                                                                                                                                                                                                                          | 0                       | 0                    |
| Projects                                                                 |                                                                                                                                                                                                                                                                                                                          | 1                       | 20                   |
| Term Projects                                                            |                                                                                                                                                                                                                                                                                                                          | 0                       | 0                    |
| Laboratory                                                               |                                                                                                                                                                                                                                                                                                                          | 0                       | 0                    |
| Class Participation                                                      |                                                                                                                                                                                                                                                                                                                          | 1                       | 10                   |
| <b>Total in-term evaluation percent</b>                                  |                                                                                                                                                                                                                                                                                                                          |                         | <b>40</b>            |
| <b>Final exam percent</b>                                                |                                                                                                                                                                                                                                                                                                                          |                         | <b>60</b>            |
| <b>Total</b>                                                             |                                                                                                                                                                                                                                                                                                                          |                         | <b>100</b>           |
| <b>ECTS Workload (Based on Student Workload)</b>                         |                                                                                                                                                                                                                                                                                                                          |                         |                      |
| <b>Activities</b>                                                        | <b>Quantity</b>                                                                                                                                                                                                                                                                                                          | <b>Duration (hours)</b> | <b>Total (hours)</b> |
| Course duration (Including the exam week: 16x Total hours of the course) | 16                                                                                                                                                                                                                                                                                                                       | 4                       | 64                   |
| Study hours outside the classroom (Preparation, Practice, etc.)          | 14                                                                                                                                                                                                                                                                                                                       | 5                       | 70                   |
| Duties                                                                   | 1                                                                                                                                                                                                                                                                                                                        | 0                       | 0                    |
| Midterms                                                                 | 1                                                                                                                                                                                                                                                                                                                        | 0                       | 0                    |
| Final Exam                                                               | 1                                                                                                                                                                                                                                                                                                                        | 1                       | 1                    |
| Other                                                                    | 0                                                                                                                                                                                                                                                                                                                        | 0                       | 0                    |
| <b>Total Work Load</b>                                                   |                                                                                                                                                                                                                                                                                                                          |                         | <b>135</b>           |
| <b>Total Work Load / 25 (hours)</b>                                      |                                                                                                                                                                                                                                                                                                                          |                         | <b>5.40</b>          |
| <b>ECTS</b>                                                              |                                                                                                                                                                                                                                                                                                                          |                         | <b>5.00</b>          |