

Course Title and Code

IT 271 Web Technologies

I. Course Identification and General Information:

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| Course Title | Web Technologies | Course Code | IT 271 | Pre-requisite | CS 182 |
| Department | Information Technology | Course Level | 5 | Credit Hours | 3(2+1) |

II. Course Description/Topics: The following course topics will be covered.

Web technologies course is including an Introduction to HTML5 and to Cascading Style Sheets (CSS), an overview on JavaScript, it integrating also MySQL with PHP by studying web servers (Apache) and Database: SQL, MySQL.

III. Course Outcomes: Summary of the main learning outcomes for students enrolled in the course.

- When asked, in writing or in practicing, students will be able to:
- * demonstrate the ability to create web pages.
 - * demonstrate the ability to integrate multimedia into web pages.
 - * demonstrate their understanding of the SQL Language.
 - * recognize the proper way of structuring a fully functional website.
 - * utilize their design skills to create a professional website.
 - * understand Client/Server Websites.

IV. Required Text:

- Jeffrey C. Jackson, Web Technologies: A Computer Science Perspective, Prentice Hall,2007, ISDN: 9780131856035
- Internet and World Wide Web How to Program, 5/E, Deitel & Deitel, Prentice Hall, 2012.

V. References:

- PHP 5 Power Programming, Andi Gutmans, Stig Sæther Bakken, and Derick Rethans, Prentice Hall, 1 edition 2004.
- Robert. W. Sebesta, "Programming the World Wide Web", Fourth Edition, Pearson Education, 2007.
- Ramesh Bangia , Web Technology (including HTML,CSS,XML,ASP,JAVA),Firewall Media, 2008.
- Head First PHP & MySQL, 1nd edition, Lynn Beighley and Michael Morrison, O'Reilly Media, 2009.
- Programming PHP: Creating Dynamic Web Pages, Kevin Tatroe, Peter MacIntyre, and Rasmus Lerdorf, O'REILLY, 3 edition 2013.