

**Montclair State University
Computer Science Department
Fall 2015
CSIT 537-01 (Web development)**

Time and Room: Thursday 5:30pm – 8:00pm RI 104
Recommend Text: Internet & World Wide Web: How to program, 5th ed., Prentice Hall, by P.J. Deitel, H.M. Deitel, and A. Deitel
Murach's PHP and MySQL, by J. Murach and R. Harris, Murach
Murach's Java Servlet and JSP, 2014
Instructor: John Jenq
Office: RI 317
Office hours: Monday and Thursday 2:30pm – 4:00pm RI 317
Phone: 973-655-7237
E-mail: jenqj@mail.montclair.edu
Final Exam : Thursday, 12/17/2015 @5:30pm -7:30pm

Course Objective

- 1) Develop web pages using HTML5, CSS, Javascript,
- 2) Use web tools to facilitate web development
- 3) Familiar with database connection in web development
- 4) Understand .NET
- 5) Understand J2EE
- 6) Understand web services
- 7) Deploy web pages on web servers
- 8) Design server side scripts using script language such as PHP, Java, C#, and others

Course Outline

- (1) Concept of Web 2.0
- (2) Introduction of XHTML
- (3) Introduction to HTML5
- (4) Cascading Style Sheets
- (5) Introduction of JavaScript
- (6) Debugging and Testing of Javascript
- (7) JavaScript Basic Data and Data Structures
- (8) JavaScript Program Controls
- (9) JavaScript Functions, Libraries and JQuery
- (10) JavaScript Objects and JSON
- (11) Document Object Model (DOM) Scripting
- (12) User Interface and Multimedia on Web Design
- (13) Dynamic HTML, Ajax, and Animation
- (14) Introduction of web servers
- (15) Brief introduction of databases
- (16) PHP
- (17) C# and ASP.NET
- (18) Java servlets and JSP
- (19) Introduction to Extensible Markup Language(XML)
- (20) Other web technologies...

Evaluation

Midterm Exam	20%
Final Exam	20%
Projects and presentations	60%

Course Requirements

- Students are expected to study the assigned material.
- Complete all assigned projects.
- Take all exams.

Policy of Project and Assignments

- Perform all projects independently unless assigned to a team, and meet all deadlines for completing and turning in such projects. 10% penalty each week for late assignments; No assignment will be accepted after 2 weeks passed the deadline.
- Plagiarism will not be tolerated although discussion about homework assignments and project are encouraged.
- Last project must be handed in to the instructor on time.

Grades

A \geq 92, A- 90-92, B+ 86-89, B 83-85, B- 80-82, C+ 76-79, C 73-75, C- 70-72, D+ 66-69 D 60-65, F<60

References

- Dynamic HTML: The HTML developer's guide, Addison Wesley, by J. Rule
- Programming the World Wide Web, 8th ed., by R. Sebesta, Pearson
- Mastering the internet and html, Prentice Hall, by I. Zeid
- Core Servlets and Java Server Pages, Prentice Hall, by M Hall
- Building web sites with XML, Prentice Hall, by M. Floyd
- Essential JavaScript for web professionals, Prentice Hall, by D. Barrett
- PHP 5 Unleashed, Sams, by J. Coggeshall
- Adobe Dreamweaver CS Classroom in a Book, Adobe Press, by Adobe

**CHEATING ON HOMEWORK OR EXAMS WILL BE DEALT WITH SEVERELY,
IN ACCORDANCE WITH DEPARTMENTAL POLICY**