

COMP 4/6005 Web Design/Development – Fall, 2008
Daniel C. Sweeney, Instructor

Contact Information:

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Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
<i>Also by Appointment</i>				

Course Description:

COMP 4005-6005 Web Design and Development (3).

Web interface development using HTML, dynamic HTML, XML, Java Applets, CGI Scripts (with Pearl, C, C++, etc.), JavaScript, Java Servlets, and dynamic forms; technological issues in web page design and data visualization; search engines and their features; digital libraries, Push Technology. NOTE: Computer Science majors may not use this course to fulfill degree requirements. PREREQUISITE: COMP 4001, one course in computer programming, or permission of instructor.

Why this course?

In this course you will learn the latest processes, tools, and technologies for designing and developing high quality web content.

Resources:

Required Text

Internet & World Wide Web How to Program, Fourth Edition by Deitel.

Other Resources:

The course home page is located at <http://classweb.cs.memphis.edu/~dsweeney/6005/>

Course news for microbrowsers is located at <http://classweb.cs.memphis.edu/~dsweeney/6001/news.php>

Evaluation:

Your grade for the course will be based on your performance on 4 homework assignments worth 20, 20, 20, and 40 points respectively. You may also do a special project for up to 10 points of extra credit. All special projects must be approved by the instructor before submission and are due by the end of the last class for the semester.

Students taking the course at the 6005 level are required to present at one of the homework review sessions. Students taking the course at the 4005 level may present at a homework review session for extra credit.

Grading Scale:

Typical grading is A+ for a total point score greater than 100, an A for a score between 92 and 100 inclusive, an A- for a score of 90 or 91, a B+ for a score of 88 or 89, etc.

Course Policies:

Attendance is optional, but is strongly encouraged.

Plagiarism/Cheating Policy:

Plagiarism or cheating behavior in any form is unethical and detrimental to proper education and ***will not be tolerated***. All work submitted by a student (projects, programming assignments, lab assignments, quizzes, tests, etc.) is expected to be a student's own work. The plagiarism is incurred when any part of anybody else's work is passed as your own (no proper credit is listed to the sources in your own work)

so the reader is led to believe it is therefore your own effort. Students are allowed and encouraged to discuss with each other and look up resources in the literature (including the internet) on their assignments, but *appropriate references must be included for the materials consulted*, and appropriate citations made when the material is taken verbatim.

If plagiarism or cheating occurs, the student will receive a failing grade on the assignment and (at the instructor's discretion) a failing grade in the course. The course instructor may also decide to forward the incident to the University Judicial Affairs Office for further disciplinary action. For further information on U of M code of student conduct and academic discipline procedures, please refer to: <http://www.people.memphis.edu/~jaffairs/>

Course Syllabus:

Class	Date	Topic	Textbook
1	8/25	Introduction	Chapters 1 & 3
2	8/27	Web Browsers	Chapter 2
3	9/3	XHTML	Chapters 4 & 14
4	9/8	Publishing Webpages	
5	9/10	Cascading Style Sheets	Chapter 5
6	9/15	Form Design	
7	9/17	Accessibility	
8	9/22	Homework Assignment #1	
9	9/24	Review of COMP 4001 Introduction to JavaScript	Chapter 6
10	9/29	Control Statements	Chapters 7 & 8
11	10/1	Functions	Chapter 9
12	10/6	Objects and the DOM	Chapters 11 & 12
13	10/8	Events	Chapter 13
14	10/15	Form Validation	
15	10/20	Homework Assignment #2	
16	10/22	“Live” Forms	
17	10/27	Web Servers	Chapter 21
18	10/29	Ajax	Chapter 15
19	11/3	Introduction to PHP	Chapter 23
20	11/5	Reading from Files	Chapter 10
21	11/10	RIA Client Technologies	Chapters 16 – 20
22	11/12	Homework Assignment #3	
23	11/17	Form Processing	
24	11/19	Edit Checking	
25	11/24	Writing to Files	
26	11/26	No class	
27	12/1	Review	
28	12/3	Homework Assignment #4	