

**MONTGOMERY COLLEGE**  
**Rockville Campus**  
**CA272 Web Page Development with XHTML**  
**Computer Applications Department**

### **Instructor Information**

Name: Jeffrey Brown	Office Location: CS 022
Mailbox Location:	Work Phone: 301-253-7062
Email: <a href="mailto: mrbrown@teachmetheweb.org">mrbrown@teachmetheweb.org</a>	Cell: 301-401-9572
Course Website: <a href="http://mc.teachmetheweb.org">http://mc.teachmetheweb.org</a>	Office Hours: Tuesdays
<a href="http://web4students.montgomerycollege.org/courses/Spring2009/Rockville/CA27231336/">http://web4students.montgomerycollege.org/courses/Spring2009/Rockville/CA27231336/</a>	

### **Course Information**

Semester: Spring 2009	Course CRN: 31336
Class time: Tuesdays, 6:30pm – 9:50pm	Class location: CS 022
Class starts: January 27, 2009	Class ends: May 17, 2009
Final Exam: May 12 <sup>th</sup> , 7:15 – 9:15pm	Last date for a refund: February 1, 2009
Last date to drop without a grade or to change from audit to credit or from credit to audit: February 15, 2009	Last date to drop a class with a W grade: April 19, 2009

### **Course Description**

This course introduces students to (X)HTML, emphasizing semantic use of elements and the benefits of using standards-based, valid code. The use of CSS is discussed to separate content from presentation in order to decrease maintenance time, speed up development, improve download speed, and design capabilities. Students will employ web standards concepts to create a small brochure-ware website that uses global style sheets. *4 semester hours*

### **Prerequisites**

CA172 OR CA106 or successful completion of the departmental skills assessment

### **Course Materials**

*Learning Web Design, 3<sup>rd</sup> Edition* by Jennifer Niederst Robbins; ISBN 10: 0-596-52752-7

### **Software and Hardware Needs**

- Students will need web server space to post their assignments (provided)
- Mac or PC computers with internet connection
- Web Browsers (Firefox, Opera, Safari, Internet Explorer)
- Web page editor that fosters the development of valid (X)HTML and CSS code
- Web page debugging and evaluation tools such as [Firebug](#) and the [Web Developer Toolbar](#) for Firefox
- FTP Software

## Tentative Schedule

Session	Date	Agenda
1	January 26	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Syllabus</li> <li>• Website Development Basics</li> <li>• HTML Basics, Web Standards Concepts</li> <li>• Readings               <ul style="list-style-type: none"> <li>○ Chapters 1, 2, 3, 10</li> </ul> </li> </ul>
2	February 3	No Class
3	February 10	<ul style="list-style-type: none"> <li>• Site Structure</li> <li>• HTML               <ul style="list-style-type: none"> <li>○ Marking up Text</li> <li>○ Links</li> <li>○ Images</li> </ul> </li> <li>• HTML Validation</li> <li>• Readings               <ul style="list-style-type: none"> <li>○ Chapters 5, 6, 21</li> </ul> </li> </ul>
4	February 17	<ul style="list-style-type: none"> <li>• HTML II               <ul style="list-style-type: none"> <li>○ Table Markup</li> </ul> </li> <li>• Readings               <ul style="list-style-type: none"> <li>○ Chapter 8</li> </ul> </li> </ul>
5	February 24	<ul style="list-style-type: none"> <li>• Design Elements</li> </ul>
6	March 3	<ul style="list-style-type: none"> <li>• Design Elements II</li> <li>• Digital Design Production</li> <li>• Readings               <ul style="list-style-type: none"> <li>○ Chapters 18, 19</li> </ul> </li> </ul>
7	March 10	Midterm
8	March 17	<ul style="list-style-type: none"> <li>• HTML III               <ul style="list-style-type: none"> <li>○ Forms</li> </ul> </li> <li>• Cascading Style Sheets</li> <li>• CSS Validation</li> <li>• Readings               <ul style="list-style-type: none"> <li>○ Chapter 11</li> </ul> </li> </ul>
9	March 24	<ul style="list-style-type: none"> <li>• Cascading Style Sheets II               <ul style="list-style-type: none"> <li>○ Colors and Backgrounds</li> <li>○ The Box Model</li> </ul> </li> <li>• Readings               <ul style="list-style-type: none"> <li>○ Chapters 13, 14</li> </ul> </li> </ul>

10	March 31	<ul style="list-style-type: none"> <li>• Cascading Style Sheets III <ul style="list-style-type: none"> <li>○ Float and Positioning</li> <li>○ Page Layouts</li> </ul> </li> <li>• Readings <ul style="list-style-type: none"> <li>○ Chapters 15, 16</li> </ul> </li> </ul>
11	April 7	<ul style="list-style-type: none"> <li>• Cascading Style Sheets IV <ul style="list-style-type: none"> <li>○ Best Practices &amp; Common Issues</li> </ul> </li> <li>• Readings <ul style="list-style-type: none"> <li>○ Chapter 17</li> </ul> </li> </ul>
12	April 14	<ul style="list-style-type: none"> <li>• Server Side Environments</li> </ul>
13	April 21	<ul style="list-style-type: none"> <li>• Planning a website</li> <li>• Readings <ul style="list-style-type: none"> <li>○ Chapter 20</li> </ul> </li> </ul>
14	April 28	<ul style="list-style-type: none"> <li>• Planning a website</li> </ul>
15	May 5	<ul style="list-style-type: none"> <li>• Planning a website</li> <li>• Client Management</li> </ul>
16	May 12	Final Exam

## Course Competencies

Topic	Competency
(X)HTML Syntax	<ul style="list-style-type: none"> <li>• Use the following tags to build a web page: html, head, title, body, a, p, blockquote, br, div, span, strong, em, acronym, abbr, ul, li, ol, dl, dt, dd, img, table, caption, summary, thead, tfoot, tbody, tr, td, comment.</li> <li>• Build a webpage that successfully passes the W3C validation test at <a href="http://validator.org">http://validator.org</a></li> <li>• Identify the appropriate use of attributes and the syntax of attributes</li> </ul>
(X)HTML Elements	<ul style="list-style-type: none"> <li>• Identify and use the following elements according to their semantic meaning: html, head, title, body, a, p, blockquote, br, div, span, strong, em, acronym, abbr, ul, li, ol, dl, dt, dd, img, table, caption, summary, thead, tfoot, tbody, tr, td, comment.</li> </ul>
Basic Web Design Concepts	<ul style="list-style-type: none"> <li>• Identify and use the following design concepts: contrast, repetition, alignment, proximity, color, typography, writing style.</li> </ul>
(X)HTML Doctypes	<ul style="list-style-type: none"> <li>• Identify the HTML and XHTML DOCTYPES for Strict, Transitional and Frameset</li> <li>• Explain the distinction between the available DOCTYPES.</li> <li>• Describe the appropriate use of each DOCTYPE</li> </ul>
(X)HTML Validation	<ul style="list-style-type: none"> <li>• Identify and use online validation tools</li> <li>• Successfully change invalid markup to comply with standards</li> <li>• Identify why validation is not an absolute requirement in all situations.</li> </ul>
(X)HTML Best Practices	<ul style="list-style-type: none"> <li>• Use CSS for all presentation. Omit any presentational HTML attributes such as font, valign, hspace, align, bgcolor. Unless an attribute is required (for example, a src attribute is required for an img element) do not include it in the HTML. Classes and IDs, while not required, are an exception and should be used appropriately in the HTML.</li> <li>• Use tables for the presentation of tabular information only. Use summary, caption, col, row, header and other table elements and attributes to insure that tables are accessible. Borders, width, spacing, alignment, background, and other presentational options for tables should be set with CSS.</li> </ul>

	<ul style="list-style-type: none"> <li>• Use labels with form elements.</li> </ul>
CSS: The Cascade	<ul style="list-style-type: none"> <li>• Identify how inheritance and specificity affect CSS rule conflicts</li> <li>• Use the Cascade to create effective presentational elements</li> <li>• Describe where and when to use inline styles</li> <li>• Explain the differences between using link and @import to connect to an external stylesheet</li> <li>• Use correct CSS syntax to configure and apply style sheets for screen and print media display</li> </ul>
CSS: Selectors and Properties	<ul style="list-style-type: none"> <li>• Recognize and use element selectors, ID selectors, class selectors, pseudo-class selectors, and descendant selectors</li> <li>• Apply the following CSS properties: background, border, clear, color, float, font, height, line-height, list-style, margin, overflow, padding, position, text-align, text-indent, width.</li> </ul>
Site Structure	<ul style="list-style-type: none"> <li>• Create a maintainable directory structure for a website that follows file naming requirements, and makes managing files efficient.</li> <li>• Demonstrate and use correct file paths for relative and absolute links</li> <li>• Recognize the relationship between local and remote site structure</li> <li>• Use FTP to transfer files to a server</li> </ul>
Forms	<ul style="list-style-type: none"> <li>• Construct a contact form</li> <li>• Form will demonstrate the use of input fields, text areas, radio buttons, checkboxes, select menus, and submit buttons</li> <li>• Use a provided script</li> <li>• Illustrate proper use of the label element with 'id' and 'for' attributes</li> </ul>

## Course Grading:

Course Grades: <59=F, 60-69=D, 70-79=C, 80-89=B, 90-100=A

Category	Weight	Approximate Date
Midterm	33.33%	Session 7
Final Exam	33.33%	Session 16
Homework	33.33%	Varies

In written assignments, students are expected to demonstrate accurate use of English grammar and punctuation. If not, assignments may be returned until accurate. The Writing Center will provide assistance. Assignments should not be handwritten.

## Homework Instructions:

- All assignments must be posted by noon on the Sunday listed in the Due Date column (generally the Sunday following the week's assignment). Homework assignments submitted after such time will receive 10% off for the first week late and no credit for more than one week late.
- All homework must be clearly linked to your course homepage with valid/working links to receive credit.
- Article reviews must be linked to your homepage under the appropriate assignment link.

## Class Policies

**Tardiness:** Class begins promptly at the scheduled time. Students are expected to be ON TIME.

**Missed Tests and Quizzes:** Tests are announced far in advance. NO MAKEUPS without a doctor's excuse. If the final exam is not taken, the student will receive a grade of F for the course.

### College E-mail:

Student e-mail (montgomerycollege.edu) is an official means of communication for the College and for this class. It is expected that you check your student e-mail regularly and frequently. You are responsible for information and announcements that will be sent to you from the College and from the course instructor.

If you contact me through e-mail, you must use your student e-mail account (rather than a yahoo or hotmail account) so that I can recognize you as a student. If you e-mail me, you may follow-up with a voice mail message.

In general, assignments should **not** be turned in via email. Under *extenuating circumstances*, you may turn in assignments via e-mail if you contact me first for permission to do so.

## **MC Policies**

**Lack of Prerequisites:** Academic Regulation 9.65C states:

In the event that students succeed in enrolling in a course for which they lack the prerequisites(s) as designated in the College catalog, the instructor, after consultation with the students, may drop the students from the course, immediately notifying the Admissions and Records Office of the decision in writing; this action to be taken before the published date, which is based on the principle of completion of 12 percent of the duration of the course (2 weeks in a 15-week semester or its equivalent).

A student must accept responsibility for his/her decision to remain in a class against the advice of the instructor. All students in a course are responsible for completing the course requirements, and faculty members are responsible for assigning grades that reflect student accomplishments with respect to the standards set for the course.

**Student Attendance:** Academic Regulation 9.823 states:

Students are expected to attend all class sessions. "Excessive absence" is defined as one more absence than the number of classes per week during a fall or spring semester (with the number of absences to be prorated for accelerated sessions).

In cases involving excessive absences from class, the instructor may drop the student from the class (resulting in a grade determined in accordance with regulation 9.645). If excessive absence from the course takes place after the deadline to drop a course, the instructor may record a grade of "F."

If the student who is registered for audit is dropped by the instructor, the grade of "W" shall be recorded.

It is important that you attend every class. You will be responsible for all work assigned whether you are present or absent.

**Policy on Academic Integrity:** Cheating, plagiarism and/or other forms of academic dishonesty will not be tolerated. Refer to the Student Code of Conduct.

Each student, as an active participant in the Montgomery College community, is responsible for performing academic work that holds to the highest standards of honesty. Acts of cheating, fabrication, plagiarism, and helping others to commit such acts are all forms of academic dishonesty. Acts of academic dishonesty could result in a disciplinary action, that may include, but is not limited to suspension or dismissal. Consult the Student Code of Conduct for further information.

\*The Montgomery College Student Code of Conduct permits an instructor to assign either an "F" on an assignment or an "F" in the course for academic dishonesty.

**Student Conduct:** Students are expected to abide by the Student Code of Conduct.

In order for learning to occur, it is necessary that the classroom environment be one of mutual respect. If a student behaves in such a way that 1) demonstrates a lack of respect, 2) interferes with the educational process or 3) violates the Student Code of Conduct, instructors are responsible for advising the student of the inappropriate behavior and granting her/him an opportunity to correct it. A student who fails to correct this behavior will be asked to leave the class and will be subject to disciplinary action, as outlined in the Montgomery College Student Code of Conduct.

General Guidelines:

- All cell phones, pagers, etc. are to be OFF or SILENCED (not on “vibrate”) during class.
- All cell phones are to be put away—in a purse, backpack, book bag, etc. during class. If a cell phone rings during class time, you may be asked to leave the class and/or counted absent. There is NO text messaging, web-browsing, etc. during class. Failure to adhere to this rule may result in your being dismissed from class and/or an academic penalty.
- There will be no eating during class time. Drinks (soda, coffee, water, juice) are permitted--but not at computer stations. Please clean up your trash!
- Be respectful of each other—and the instructor—while in class. We are all here to learn! Any disrespectful or disruptive behavior may result in your being asked to leave the class, and may result in your dismissal with a grade of “F,” and/or a referral to the Dean of Student Development.
- The instructor reserves the right to amend this syllabus as appropriate throughout the semester. Students will be notified of any such changes.

For a complete statement of Academic Regulations and Student Code of Conduct visit:

[http://www.montgomerycollege.edu/departments/academic/vp/Student\\_PandP.htm](http://www.montgomerycollege.edu/departments/academic/vp/Student_PandP.htm)

**Audit Policy:** Academic Regulation 9.613 states:

Students wishing to register for audit at the beginning of the semester or who wish to change from credit must do so prior to completion of 20 percent of the duration of the course.

The grade of “AU” carries no credit.

Students initially registering for audit are not required to get an instructor’s signature. Students wishing to change from credit to audit must obtain written approval from the instructor. (See AR 9.614 for students wishing to change from audit to credit.) All students registered for audit are required to consult with the instructor before or during the first class session in which they are in audit status and are required to participate in all course activities unless otherwise agreed upon by the student and instructor at the time of consultation. Failure to consult with the instructor or not participate may result in the grade of “W” being awarded. This action may be taken by the instructor by changing the “AU” to “W” on the final grade sheet.

Change from Audit to Credit 9.614 states:

A student registered for Audit (AU) may change to credit before the completion of 20 percent of the duration of the course provided the student has written approval of the instructor.

**Statement on Disabilities:** All classes offered at Montgomery College must meet the requirements of the Americans with Disabilities Act of 1990. Disability Support Services encourages the following announcement at the start of each semester:

“Any student, who may need an accommodation due to a disability, must provide a letter from Disability Support Services authorizing the accommodations. Any student who may need assistance in the event of an emergency evacuation must notify the Disability Support Services office. <http://www.montgomerycollege.edu/Departments/dispsvc/>

Students with mobility disabilities depend on the elevators to get to class. Please use the stairs if you are able to do so.

## **Computer Labs**

There are labs available for student use--to complete homework assignments, or for extra practice. The software used in this class has been installed in the Computer Labs. For more information about the computer labs, visit their Website at:

<http://www.montgomerycollege.edu/Departments/InTechRV/>

## **Assessment Center**

Occasionally it is necessary for a student to take a test in the Assessment Center. The Assessment Center requires an appointment for all computer tests. To make an appointment, call the Rockville Assessment Center (240) 567-7459. The Assessment Center is located on the ground floor of Campus Center. Picture identification is required.

## **Beepers and Cell Phones**

Please turn beepers or cell phones off during the class period.

## **Weather Alert**

Occasionally it becomes necessary to delay the opening of school, send students home early, or close the College entirely because of bad weather. Area radio stations broadcast information about school closings or delayed openings beginning around 6 a.m. If Montgomery College plans to close early, radio and TV stations will broadcast that message. The stations will not broadcast “open as scheduled.”

The Montgomery College Website should also have announcements posted:

<http://www.montgomerycollege.edu>

## **Emergency Management Procedures**

In the event of emergency situations involving Montgomery College directly -- or of an emergency at the local, regional or national level which could impact the college community -- Montgomery College's safety and security personnel and other College officials utilize in-house emergency response plans and coordinate their response activities with local, county, state and federal authorities, as appropriate. The College works directly in conjunction with Montgomery County's Emergency Operations Center, in the event of any local activation of the center.

Detailed emergency response plans are in place for each of Montgomery College's three primary campuses at Germantown, Rockville and Takoma Park, as well as for off-site facilities, including its Workforce Development and Continuing Education centers at Gaithersburg and Wheaton. The College has published a [Quick Reference Guide](#), with basic information on these emergency procedures. It includes an explanation of the communication alert codes utilized by the college, key phone numbers, tips on what to do in the event of various types of emergencies, and specific evacuation plans for individual college facilities. Members of the college community are urged to familiarize themselves with this information and to keep a copy of the guide handy.

For more information about emergency procedures, visit the College Website at:  
<http://www.montgomerycollege.edu/news/emergency/>