

# **WEB ACCESSIBILITY AND DESIGN**

**GEORGE MASON UNIVERSITY  
COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT  
INFORMATIONAL TECHNOLOGY AND SPECIAL EDUCATION**

**EDIT 426, EDIT 526 and EDSE 526  
Web Accessibility and Design  
Fall 2011  
On-line**

## **PROFESSOR(S):**

**Name: Kara Zirkle**

**Office phone: 703-993-9815**

**Office location: Aquia Building Room 238**

**Office hours: I'm usually in the office Monday-Thursday from 9 am – 5 pm but its best to call and make an appointment to ensure I'm available.**

**Email address: KZirkle1@gmu.edu**

## **COURSE DESCRIPTION:**

- A. Prerequisites: None**
- B. Provides instruction for accessible web design using HTML and existing authoring tools. Section 508 web accessibility standards and assistive technologies to access the computer will be explored. Develops understanding of principles of universal web design. Students apply this understanding by designing and developing accessible web site using web authoring tools.**

## **NATURE OF COURSE DELIVERY:**

**The course is structured using readings and videos; reflections on those readings and videos; class discussions, demonstrations and the practical application of web accessibility design; and testing and reporting. The course is designed to create an understanding of web accessibility during the design of a website.**

## **LEARNER OUTCOMES:**

**This course is designed to enable students to:**

- 1. Know and test for accessibility issues on websites**
- 2. Design a simple webpage to meet web accessibility standards**
- 3. Understand the concept of Universal Design**
- 4. Know the basics of document accessibility**
- 5. Create and accessible MS Word, MS PPT or PDF Document**

## REQUIRED TEXTS:

InterACT with Web Standards: A holistic approach to web design. New Riders, Voices that Matter. 2010 Erin Anderson, Virginia DeBolt, Derek Featherstone, Lars Gunther, Denise R. Jacobs, Leslie Jensen-Inman, Chris Mills, Christopher Schmitt, Glenda Sims, Aaron Walter: <http://interactwithwebstandards.com/> Ave Cost \$35.00

## REQUIRED SOFTWARE:

**NOTE: You do not necessarily need to buy any of the software listed below, but you will need access to it.** All of the required software will be available in the classroom computer labs and virtual. Current Fairfax Campus Computer Labs with Dreamweaver are: Robinson A350, [STAR Lab](#), and the [CLUB](#).

- **REQUIRED:** A plain text editor. Recommended for Windows NotePad (already installed on your computer), [NotePad ++](#) (free), [TextPad](#) (free), [PSPad](#) (free). Recommended for Mac [Smultron](#) (free), [Text Wrangler](#) (free).
- Dreamweaver (version CS4 or CS5) since the instructor will use Dreamweaver to demonstrate the techniques. Dreamweaver is available in the computer labs in Robinson A350, [STAR Lab](#), and [CLUB](#). Students may also purchase their own copy at the discounted educational rate through the campus bookstore or any other retailer such as: [AcademicSuperstore](#), [JourneyEd](#), [CampusTech](#) or [Gradware](#) to name a few. A free 30-day trial version is available for download from the [Adobe website](#).

## COURSE REQUIREMENTS, PERFORMANCE-BASED ASSESSMENT, AND EVALUATION CRITERIA:

### A. Requirements

Assignment	Focus Area	Grade	Due Date	Description
1. Mock Website with 2 pages (homepage and content)	HTML	20 points	Friday, October 7 by 5 pm	The student will create a homepage and content page according to the technical specifications that the instructor provides in detail on the course website and syllabus.
2. Accessibility Evaluation of a Mason Website	Web Accessibility Testing	10 points	Friday, November 4 by 5 pm	Write a written report about the accessibility of a MASON website and include the automated testing report.
3. Accessibility of Documents	Document Accessibility	10 points	Friday, November 25 by 5 pm	Create a document that follows the specifications that the instructor provides in detail on the course website and syllabus and use the automated software to create

				an accessible version.
<b>4. Exam</b>	<b>Testing knowledge of HTML, CSS, Dreamweaver, Evaluation, Accessibility of Web, Document and Video</b>	<b>10 points</b>	<b>Friday, December 9 at 5 pm</b>	<b>This test covers everything reviewed in the class. It allows for understanding and how to pull everything learned together.</b>
<b>5. Final Web Design Project using Dreamweaver</b>	<b>Dreamweaver, HTML, CSS and Accessibility</b>	<b>35 points</b>	<b>Friday, December 16 at 5 pm</b>	<b>The student will create a portfolio-style website according to the instructor's parameters, which are detailed in the course website and syllabus. (See assessment Rubric on Syllabus)</b>
<b>6. Participation in class online discussions</b>	<b>All focus areas</b>	<b>15 points</b>	<b>Throughout the Semester</b>	<b>The instructor will post questions and discussion items for students to respond to. Students should also take advantage of the forum to ask and answers questions to/from other students.</b>
<b>7. Participation in group discussion</b>	<b>All focus areas</b>	<b>5 points extra credit</b>	<b>Throughout the Semester</b>	<b>Students are highly encouraged to make this class a collaborative learning effort. In doing so there are various homework assignments to be posted, reviewed and commented on for peer review throughout the class. The instructor will be monitoring this group peer review throughout the semester.</b>

## **B. Performance-based assessments**

This course includes 5 performance-based assessments:

1. Practice creating a Mock Website with 2 pages (homepage and content)
2. Practice Accessibility Evaluation of a Mason Website
3. Practice Accessibility of Documents
4. Test of knowledge throughout semester

5. Final Web Design Project using Dreamweaver  
These are described above in Requirements

**C. Criteria for evaluation**

Detailed criteria for evaluation will be given to students for each assignment.

**D. Grading Scale –**

Points	Grade
94-100	A
90-93	A-
86-89	B+
80-85	B
70-79	C
69 or below	F

**General Grading Criteria - Credit Criteria**

**Full credit** - The student completed the assignment as directed AND on time.

**Partial credit** - The student did not finish the assignment, turned in the assignment late, or did not follow the instructions properly.

**No credit** The student did not turn in the assignment, or turned it in late.

**Late assignments will not be accepted, if unforeseen circumstances occur please contact me on an individual basis.**

COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT

*Student Expectations*

- Students must adhere to the guidelines of the George Mason University Honor Code [See <http://academicintegrity.gmu.edu/honorcode/>].
- Students with disabilities who seek accommodations in a course must be registered with the George Mason University Office of Disability Services (ODS) and inform their instructor, in writing, at the beginning of the semester [See <http://ods.gmu.edu/>].
- Students must follow the university policy for Responsible Use of Computing [See <http://universitypolicy.gmu.edu/1301gen.html>].
- Students are responsible for the content of university communications sent to their George Mason University email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students solely through their Mason email account.

- Students must follow the university policy stating that all sound emitting devices shall be turned off during class unless otherwise authorized by the instructor.
- Students are expected to exhibit professional behaviors and dispositions at all times.

*Campus Resources*

- The George Mason University Counseling and Psychological Services (CAPS) staff consists of professional counseling and clinical psychologists, social workers, and counselors who offer a wide range of services (e.g., individual and group counseling, workshops and outreach programs) to enhance students’ personal experience and academic performance [See <http://caps.gmu.edu/>].
- The George Mason University Writing Center staff provides a variety of resources and services (e.g., tutoring, workshops, writing guides, handbooks) intended to support students as they work to construct and share knowledge through writing [See <http://writingcenter.gmu.edu/>].

**PROPOSED CLASS SCHEDULE**

Date	Topic/Learning Experiences	Readings and Assignments
<b>Week 1</b> <b>Aug 29-</b> <b>Sept 2</b>	<ol style="list-style-type: none"> <li>1. Get acquainted with new 9.1 Blackboard course structure.</li> <li>2. Review Syllabus (please email me if you have questions)</li> <li>3. Discussion Questions (Due by Friday @ 5pm)</li> <li>4. Group Peer Reviews</li> <li>5. Setting up your Personal Mason Website (You will need this for your Assignments and Final project)</li> </ol>	<ol style="list-style-type: none"> <li>1. <b>Blackboard: If you need help with Blackboard please visit the HELP tab on MyMason Portal or visit this link:</b>  <a href="http://www.gvsu.edu/cms3/assets/428A2C9A-0FB7-5B0C-BBFCF723C12E59E3/blackboard91/stu_guidetoblackboard.pdf">www.gvsu.edu/cms3/assets/428A2C9A-0FB7-5B0C-BBFCF723C12E59E3/blackboard91/stu_guidetoblackboard.pdf</a></li> <li>3. <b>Weekly Discussion Questions (1 point each week totaling 15 points)</b></li> </ol> <p>Each discussion question will be posted by Monday, beginning of the week and must be commented on by 5pm Friday of that same week for credit.</p> <ol style="list-style-type: none"> <li>4. <b>I will be reviewing the Group Peer Reviews throughout the semester. They are not for a grade but if completed and equally contributed on, will be worth 5 extra credit points at the end of the semester.</b></li> <li>5. <b>Visit Setting Up a Mason Website -</b>  <a href="http://webdev.gmu.edu/Setting Up a Mason Web Site#Personal Pages">http://webdev.gmu.edu/Setting Up a Mason Web Site#Personal Pages</a> *NOTE* SSH is a free program that can be downloaded from Mason (PC) only  <a href="http://itusupport.gmu.edu/downloads/index.html#Util">http://itusupport.gmu.edu/downloads/index.html#Util</a>  please look at using these MAC options: Cyberduck (can also be downloaded from above Mason link) or Terminal (please note this is not specific to Mason)</li> </ol>

		<p><a href="http://www.u.arizona.edu/consult/macx-ssh-use.html">http://www.u.arizona.edu/consult/macx-ssh-use.html</a>  <b>If you run into permission problems please see:</b>  <a href="http://webdev.gmu.edu/Fix_Server_Upload_Permissions">http://webdev.gmu.edu/Fix_Server_Upload_Permissions</a>  <b>If you run into problems please contact Mason's Star Lab:</b>  <a href="http://doit.gmu.edu/studentSection.asp?page=multimedia_lab">http://doit.gmu.edu/studentSection.asp?page=multimedia_lab</a></p>
<p><b>Week 2</b>  <b>Sept 5-</b>  <b>Sept 9</b></p>	<p><b>1. Discussion Question</b>  (response due by Friday @ 5pm)</p> <p><b>2. Introduction: Overview of Web Accessibility and What the Law Says about Web Accessibility, Section 508.</b></p> <p><b>3. The User's Perspective: How do people with disabilities access the web? Overview of technologies used by individuals with disabilities and how they can help with testing. Identifying barriers associated with these disabilities.</b></p>	<p><b>Required Read</b> Chapter 22: Accessibility Intro pages 405-412</p> <p><b>Required:</b> It is important to understand the differences between WCAG and Section 508. We'll be focusing on Section 508, which was originally taken from parts of the WCAG. This site breaks this down: <a href="http://www.jimthatcher.com/sidebyside.htm">http://www.jimthatcher.com/sidebyside.htm</a></p> <p><b>Recommended: Introduction to Web Accessibility:</b>  <a href="http://www.w3.org/WAI/intro/accessibility.php">http://www.w3.org/WAI/intro/accessibility.php</a></p> <p><b>Required: The Law and Web Accessibility: Section 508: Read the following two documents:</b></p> <p><b>Web Accessibility and the Law:</b>  <a href="http://www.practicalecommerce.com/articles/1167-Web-Accessibility-and-the-Law">http://www.practicalecommerce.com/articles/1167-Web-Accessibility-and-the-Law</a></p> <p>AND</p> <p><b>Policies Related to Web Accessibility in the United States:</b>  <a href="http://www.w3.org/WAI/Policy/#US">http://www.w3.org/WAI/Policy/#US</a></p> <p><b>Required: User Perspective:</b>  Choose two of these three videos to watch.</p> <p><b>World Wide Access: Accessible Web Design:</b>  <a href="http://www.washington.edu/doit/Video/index.php?vid=35">http://www.washington.edu/doit/Video/index.php?vid=35</a></p> <p>OR</p> <p><b>Keeping Web Accessibility in Mind:</b>  <a href="http://webaim.org/intro/video">http://webaim.org/intro/video</a></p> <p>OR</p> <p><b>Accessibility: Screen Readers and the Web:</b>  <a href="http://www.doit.wisc.edu/accessibility/video/screen_readers.asp">http://www.doit.wisc.edu/accessibility/video/screen_readers.asp</a></p>
<p><b>Week 3</b>  <b>Sept 12-</b>  <b>Sept 16</b></p>	<p><b>1. Building Accessible Websites (Section 508: 1194.22 Web-based</b></p>	<p><b>Often websites are tested with both 1194.21 (Software Applications and Operating Systems) and .22 (Web-based Internet and Intranet Information and Systems) due to the</b></p>

	<p>Intranet and Internet Information and Applications) – Learning how Accessibility Helps</p> <ol style="list-style-type: none"> <li>2. Group Peer Reviews (responses due by Friday @ 5 pm)</li> <li>3. Discussion Board (response due by Friday @ 5 pm)</li> </ol>	<p>advancement of technology and design of websites.</p> <p><b>Required Read</b> Chapter 23 pages 413-425. There are various “Try it Yourself” options that will help you have a better understanding of how someone with a disability may have difficulty accessing the computer and inaccessible websites.</p> <p>Everyone has been randomly sorted in groups. If you go to your “Groups” you’ll see a “Try It Yourself” Peer Review. Post your findings from the “Try It Yourself” that you chose from this chapter and discuss among one another what has been learned.</p> <p><b>Required:</b> Review one of the following documents to better understand these standards and how they will help you build a more accessible website:  <a href="http://webaccessibility.gmu.edu/docs/access-board-gov_sec508_guide_1194-22-.pdf">http://webaccessibility.gmu.edu/docs/access-board-gov_sec508_guide_1194-22-.pdf</a></p> <p>OR</p> <p><a href="http://webaccessibility.gmu.edu/docs/Appendix%20C%20-%20Section%20508%20tips%20for%20Web.pdf">http://webaccessibility.gmu.edu/docs/Appendix%20C%20-%20Section%20508%20tips%20for%20Web.pdf</a></p> <p>AND</p> <p><b>Required:</b> A Voluntary Product Accessibility Template is something that is requested when electronic and information technology is being purchased or created. Not all sections would need to be completed; it is dependent upon what is being procured. For this purpose though please review the first two standards .21 and .22 and see why they are both being used to test today’s websites and applications.</p> <p><a href="http://webaccessibility.gmu.edu/docs/Appendix%20E%20-%20static%20vpat%20version.pdf">http://webaccessibility.gmu.edu/docs/Appendix%20E%20-%20static%20vpat%20version.pdf</a></p>
<p>Week 4 Sept 19- Sept 23</p>	<ol style="list-style-type: none"> <li>1. Learning basic HTML by using a text editor to incorporate the accessible features into a website.</li> <li>2. Discussion Board (responses due by Friday @ 5 pm)</li> </ol>	<p><b>Required Readings:</b> Chapter 10 HTML Intro: Read pages 154-170 and watch:  <a href="http://www.youtube.com/watch?v=r52v5oaptPo&amp;cc=1">http://www.youtube.com/watch?v=r52v5oaptPo&amp;cc=1</a></p> <p>Complete “Try it Yourself”, on page 158. Use the “Try it Yourself” to help create your first website – post in your Group Peer Review and comment.</p> <p><b>Required Readings:</b> Chapter 5: Writing for the Web: Read</p>

	<p><b>3. Group Peer Review</b> (responses due by Friday @ 5 pm)</p>	<p>pages 60 - 89</p> <p><b>Recommended Videos for help using a Text Editor:</b></p> <p>Introduction to HTML Computer Code : Using an HTML Editor  <a href="http://www.youtube.com/watch?v=EWt1PGz5sXA&amp;cc=1">http://www.youtube.com/watch?v=EWt1PGz5sXA&amp;cc=1</a></p> <p><b>How to Use NotePad++</b> - <a href="http://www.youtube.com/watch?v=f-lEgoOtlmk">http://www.youtube.com/watch?v=f-lEgoOtlmk</a></p> <p><b>HTML Tutorial 1- Designing a Website in Notepad – Basics and Beginnings</b> -  <a href="http://www.youtube.com/watch?v=GOfhmzNLWzY">http://www.youtube.com/watch?v=GOfhmzNLWzY</a></p> <p><b>Review these resources if you need help building accessibility into your HTML:</b>  <a href="http://webaccessibility.gmu.edu/resources.html#section7">http://webaccessibility.gmu.edu/resources.html#section7</a></p> <p><b>Recommended Readings: Information Architecture Intro:</b> Read chapter 6 pages 95-106</p>
<p><b>Week 5</b> Sept 26- Sept 30</p>	<p><b>1. Continued - Learning basic HTML by using a text editor to incorporate the accessible features into a website.</b></p> <p><b>2. Discussion Board</b> (responses due by Friday @ 5 pm)</p>	<p><b>Required Read: Chapter 12: &lt;head&gt; pages 196-211</b></p> <p>Complete the “Try it Yourself” on page 201 and share feedback with your Peer Review Group.</p> <p><b>Required Read: Chapter 13: Headings and Paragraphs pages 212-232</b></p> <p><b>Required Read: Chapter 15: Links pages 250-266</b></p> <p>If you need more practice you may find it beneficial to try some of the “Try it Yourself” practices.</p>
<p><b>Week 6</b> Oct 3- Oct 7</p>	<p><b>1. Assignment 1</b> (responses due by Friday @ 5 pm) <b><u>Your website must be posted to your Mason Personal Page that was discussed in week 1.</u></b></p> <p><b>2. Discussion Board</b> (responses due by Friday @ 5 pm)</p>	<p><b>Assignment 1 (20 points):</b> Use what you learned in the “Try It Yourself” from week 4 and 5 to create a mock website with 2 pages. For example this would be your homepage (index.html) and a content page (ex. about me, contact us, resources, etc.) I will be looking for the following from this assignment:</p> <p>1) Create a visual layout for each of the 2 pages of your sites (one index page and one content page) <b>all done in HTML – I will not accept anything done through Dreamweaver.</b> (Visual Layout refers to the look and feel of the layout. Columns, linear, vertical, etc. to get a better example please review the “layout” here:  <a href="http://eagle.gmu.edu/mason_template/">http://eagle.gmu.edu/mason_template/</a>)</p>

		<p>2) Identify the following components on each page</p> <ul style="list-style-type: none"> <li>-page title</li> <li>-navigation</li> <li>-content (where will content be located, where will images be, you can simply use placeholders here ex: “content will go here”)</li> <li>-contact info</li> </ul> <p><b><u>submit your page by 5 pm Friday October 7.</u></b></p>
<p><b>Week 7 Oct 10 – Oct 14</b></p>	<ol style="list-style-type: none"> <li>1. Learning basic CSS to incorporate the accessible features into a website.</li> <li>2. Group Peer Review</li> <li>3. Attend at least 1 session of the Access, Employment and Learning Technology Showcase – Johnson Center, Dewberry Hall: <a href="http://accessibility.gmu.edu/techshowcase2011.html">http://accessibility.gmu.edu/techshowcase2011.html</a> <b>**Then post what session you attended, who presented and what you learned in the Discussion Board marked (AEL Conference)</b></li> <li>4. Discussion Question (responses due by Friday @ 5 pm)</li> </ol>	<p><b><u>Required Read</u> Chapter 11: CSS Intro. Pages 171 – 196</b> Remember sometimes adding more code causes more work in terms of accessibility. You need to have an overview idea of the goal in which you are trying to meet when developing websites to know what tools will work best for you to design effectively and efficiently.</p> <p>Practice with the Try it Yourself items on page 178 and 180.</p> <p><b><u>Required:</u> Complete Try it Yourself on page 188 and submit by Oct 14. Submit to your Group for Peer Review.</b></p> <p><b><u>Required Reading:</u> Building Accessibility into CSS:</b> <a href="http://dev.opera.com/articles/view/building-accessible-static-navigation-wi/">http://dev.opera.com/articles/view/building-accessible-static-navigation-wi/</a></p> <p><b>Recommended for more help watch:</b></p> <ul style="list-style-type: none"> <li>-CSS Website Design Tutorial #1 Introduction to CSS: <a href="http://www.youtube.com/watch?v=9SzJt-kg_ak">http://www.youtube.com/watch?v=9SzJt-kg_ak</a></li> <li>-CSS Website Design Tutorial #2 Formatting and Layout Introduction: <a href="http://www.youtube.com/watch?v=y59xha5Z8mU">http://www.youtube.com/watch?v=y59xha5Z8mU</a></li> <li>-CSS Website Design Tutorial #3 Professional Website Layout: <a href="http://www.youtube.com/watch?v=X8F54z_AHTA">http://www.youtube.com/watch?v=X8F54z_AHTA</a></li> </ul> <p><b>Recommended: For help on how to incorporate accessibility into CSS please review:</b> <a href="http://webaccessibility.gmu.edu/resources.html#section6">http://webaccessibility.gmu.edu/resources.html#section6</a></p>
<p><b>Week 8 Oct 17 – Oct 21</b></p>	<ol style="list-style-type: none"> <li>1. Learning/Using Dreamweaver to create an accessible website using a template.</li> <li>2. Discussion Board</li> </ol>	<p><b><u>Required:</u> Watch Create a Website in Dreamweaver CS4 (Template Tutorial):</b> <a href="http://www.youtube.com/watch?v=suMK2pcyqoc">http://www.youtube.com/watch?v=suMK2pcyqoc</a></p> <p>OR</p>

	<p>(Responses due by Friday @ 5pm)</p>	<p>Template based pages Creating a First Web Site with Dreamweaver: <a href="http://www.youtube.com/watch?v=Z2fvx0j1n_k">http://www.youtube.com/watch?v=Z2fvx0j1n_k</a></p> <p>Recommended Resources if you need help:</p> <p>Entheosweb: <a href="http://www.entheosweb.com/website_design/dreamweaver_template.asp">http://www.entheosweb.com/website_design/dreamweaver_template.asp</a></p> <p>Dreamweaver Template Tutorial: <a href="http://www.youtube.com/watch?v=Bd5RRCcYXY4">http://www.youtube.com/watch?v=Bd5RRCcYXY4</a></p> <p>How to Download and Edit Free CSS Templates in Dreamweaver (part 1) <a href="http://www.youtube.com/watch?v=UnBJTfGB5es">http://www.youtube.com/watch?v=UnBJTfGB5es</a></p> <p>Creating Templates in Dreamweaver <a href="http://www.youtube.com/watch?v=V5_kaDZr6w">http://www.youtube.com/watch?v=V5_kaDZr6w</a></p>
<p>Week 9 Oct 24 – Oct 28</p>	<ol style="list-style-type: none"> <li>1. Learning/Using Dreamweaver to create an accessible website using HTML.</li> <li>2. Discussion Board (Due by Friday @ 5pm)</li> </ol>	<p>Now that you've worked with HTML and CSS coding and used Dreamweaver Templates- you're ready to create your own website using dreamweaver.</p> <p><b>Required:</b> Visit the link for setup and review the zip file if needed: <a href="http://www.adobe.com/devnet/dreamweaver/articles/first_website_pt1.html">http://www.adobe.com/devnet/dreamweaver/articles/first_website_pt1.html</a></p> <p><b>Required Video:</b></p> <p>Adobe Dreamweaver Introduction Tutorial-How to Make a Website in HTML: <a href="http://www.youtube.com/watch?v=fwAIoDgH4mw">http://www.youtube.com/watch?v=fwAIoDgH4mw</a></p> <p><b>Required:</b> Practice creating a website using Dreamweaver and create a rough draft index page (you can later use this page for your final project) and share with your Peer Review Group for discussion. This should be posted on your personal Mason website.</p> <p>Recommended tutorial videos for additional help:</p> <p>Introduction to Dreamweaver CS5 Part 1: <a href="http://www.youtube.com/watch?v=XMZARc_GdLE">http://www.youtube.com/watch?v=XMZARc_GdLE</a></p> <p>Introduction to Dreamweaver CS5 Part 2: <a href="http://www.youtube.com/watch?v=GqyXDOQiFLA">http://www.youtube.com/watch?v=GqyXDOQiFLA</a></p> <p>Introduction to Dreamweaver CS5 Part 3: <a href="http://www.youtube.com/watch?v=hYTcFA-I50">http://www.youtube.com/watch?v=hYTcFA-I50</a></p> <p>Introduction to Dreamweaver CS5 Part 4: <a href="http://www.youtube.com/watch?v=bKVd9bHusRA">http://www.youtube.com/watch?v=bKVd9bHusRA</a></p>

		<p><b>Introduction to Dreamweaver CS5 Part 5:</b>  <a href="http://www.youtube.com/watch?v=5yU9-87eRww">http://www.youtube.com/watch?v=5yU9-87eRww</a></p> <p><b>Introduction to Dreamweaver CS5 Part 6:</b>  <a href="http://www.youtube.com/watch?v=PHVcTCwVxck">http://www.youtube.com/watch?v=PHVcTCwVxck</a></p> <p><b>Introduction to Dreamweaver CS5 Part 7:</b>  <a href="http://www.youtube.com/watch?v=T6sTGQGdI7I">http://www.youtube.com/watch?v=T6sTGQGdI7I</a></p> <p><b>Dreamweaver CS5 Tutorial Designing Your Web Page:</b>  <a href="http://www.youtube.com/watch?v=HIDi9ThuSsQ">http://www.youtube.com/watch?v=HIDi9ThuSsQ</a></p>
<p><b>Week 10 Oct 31 – Nov 4</b></p>	<ol style="list-style-type: none"> <li><b>1. How to evaluate or test websites for Section 508 Compliance. Assignment 2 (10 Points) - Due Friday @ 5 Nov 4</b></li>   <li><b>2. Discussion Board</b></li> </ol>	<p><b>How to Test Websites for Compliance:</b></p> <p>There are two ways to test websites 1) Manual using assistive technology and 2) Automated using a testing tool software. We'll review both ways to ensure you can test your website to ensure compliance.</p> <p><b>First testing websites Manually. Most testers use a screen reading software, in this case we'll discuss using JAWS from Freedom Scientific. This allows you to hear how the website will be ready, shown in week one examples. There are some quick and easy keystrokes while running JAWS that will allow you to test various areas of your site. If you want to learn more about how to use JAWS for manual testing, please ask me questions and/or visit this site for keystroke quick references:</b>  <a href="http://www.wats.ca/show.php?contentid=48">http://www.wats.ca/show.php?contentid=48</a></p> <p><b>Second is Automated Testing. Review Free to Low Cost Validators for some of the most commonly used applications used for automated testing:</b>  <a href="http://webaccessibility.gmu.edu/validators.html">http://webaccessibility.gmu.edu/validators.html</a></p> <p><b>Most developers prefer the look and feel of the Deque Worldspace because it gives the exact code and line that the problem can be found in.</b></p> <p><b>For those just starting out, learning accessibility it's found that most people like either the WAVE or FAE application. WAVE has a red, yellow green feature similar to a stop light. FAE gives best example documents to follow. However, Deque is one of the few that allows you to test only Section 508 Compliance, WAVE and FAE both follow WCAG. It is important to know what you're testing for in order to know what changes will need to be made.</b></p> <p><b><u>Required Read:</u> Chapter 24: Accessibility Testing pages 426 - 448</b></p>

		<p><b>Assignment 2 (10 points) Web Site Validation due Friday @ 5, Nov 4.</b> Using Deque (testing only for Section 508) and either your choice of FAE or WAVE website validation tools mentioned above, evaluate the accessibility of a <u>Mason</u> website that is inaccessible. Prepare a 1-2 page summary of the issues found on the site with suggestions on how to correct them. For full credit you <u>MUST</u> include the validation report provided by the tools you choose to use.</p>
<p>Week 11 Nov 7 – Nov 11</p>	<p>1. Learning more about how to build websites – Images and Lists</p> <p>2. Discussion Question (Due by Friday @ 5)</p>	<p><b>Required Read:</b> Chapter 16: Images pages 267 – 294</p> <p><b>Required Read:</b> Chapter 17: Lists pages 295 – 315</p> <p>Pick 1 “Try it Yourself” practices from the 2 chapters and post to your Peer Review Group and comment.</p>
<p>Week 12 Nov 14 - 18</p>	<p>3. Learning how to create online forms</p> <p>4. Discussion Question (Due by Friday @ 5)</p>	<p><b>Required Read:</b> Chapter 18: Tables pages 316 – 333</p> <p><b>Required Read:</b> Chapter 19: Forms pages 334 – 361</p> <p>Pick 1 “Try it Yourself” practices from the 2 chapters and post to your Peer Review Group and comment.</p>
<p>Week 13 Nov 21 – Nov 25</p>	<p>1. Learning how to create an accessible document to add to your website. (Choose one: PDF, PPT or Word)</p> <p>2. Assignment 3 (10 Points) – Due @ 5 pm Friday Nov 25.</p> <p>3. Discussion Board (responses due by Friday @ 5 pm)</p>	<p>There are often 3<sup>rd</sup> party software available to help make your documents accessible. For example there is <u>Illinois Accessible Wizard</u> for Microsoft Office (Word, PPT and Excel) and <u>PAW for Microsoft Word</u> or <u>Commonlook</u> for PDF.</p> <p>Below are documents to help create accessible documents from scratch rather than using software:</p> <p>Word: <a href="http://webaim.org/techniques/word/">http://webaim.org/techniques/word/</a>, <a href="http://www.hhs.gov/web/policies/pdfaccessibility/step2.html">http://www.hhs.gov/web/policies/pdfaccessibility/step2.html</a></p> <p>PPT: <a href="http://webaim.org/techniques/powerpoint/">http://webaim.org/techniques/powerpoint/</a></p> <p>PDF: <a href="http://webaim.org/techniques/acrobat/">http://webaim.org/techniques/acrobat/</a> If you want to create accessible forms, LiveCycle Designer (part of Adobe Professional install) is the best and easiest application to use. If anyone is interested in learning more about this please let me know.</p> <p><b>Assignment 3 (10 points):</b> Create a document that has the following (this can be something very short and simple or as complex as you want):</p> <ul style="list-style-type: none"> <li>• An image</li> <li>• A table (for presentation)</li> <li>• A data table</li> <li>• Header</li> </ul>

		<ul style="list-style-type: none"> <li>• Content</li> </ul> <p>Download a demo of Net-Centric PAW or Virtual 508 – Illinois Accessible Wizard and run the application through the document to create and save an accessible version. Submit your inaccessible and accessible version by Friday @ 5 pm.</p>
<p><b>Week 14</b> Nov 28 – Dec 2</p>	<ol style="list-style-type: none"> <li>1. <b>Understanding Accessible Multimedia.</b></li> <li>2. <b>Discussion Board (Due by Friday @ 5pm)</b></li> </ol>	<p><b>Accessible Multimedia: <u>Required Read:</u></b>  <a href="http://webaccess.msu.edu/tutorials/accessible-videos.html">http://webaccess.msu.edu/tutorials/accessible-videos.html</a></p> <p><b><u>Required Watch:</u></b> YouTube has a beta program that attempts to “caption” videos. This is not the same as having captioning embedded into the video. Please see the following as a proper captioned video and audio described example:  <a href="http://www.youtube.com/watch?v=YQUAs3syuJE">http://www.youtube.com/watch?v=YQUAs3syuJE</a></p> <p>For anyone interested in learning more after our class:  <a href="http://www.adainfo.org/content/Webinar-How-to-Create-Accessible-Video">http://www.adainfo.org/content/Webinar-How-to-Create-Accessible-Video</a></p>
<p><b>Week 15</b> Dec 5 – Dec 9</p>	<ol style="list-style-type: none"> <li>1. <b>Bringing it All Together</b></li> <li>2. <b>Discussion Board</b></li> <li>3. <b>Exam</b></li> </ol>	<p><b>Understanding how to pull everything learned from the semester together to create a working, accessible website.</b></p> <p><b><u>Required Read:</u></b> Chapter 25: Bringing It Together pages 450 – 479</p> <p><b>Take Exam (10 points)</b></p>
<p><b>Finals</b> Dec 12 – Dec 16</p>	<p><b>Work on Final Project</b></p> <p><b>Final Project is due by 5 pm Friday, December 16</b></p>	<p><b>Final Project: Accessible Website Development (35 points)</b></p> <p><b>Develop an accessible website. This site can be on a topic of your choice and should include at least 4 pages centered on an identified theme. The project must include the following elements (not required per page):</b></p> <ul style="list-style-type: none"> <li>• <b>Skip Navigation</b></li> <li>• <b>At least one image</b></li> <li>• <b>At least one complex image (one that would require a D-link, such as a table, graph, etc.)</b></li> <li>• <b>A captioned video or audio file (it can be pulled from YouTube, etc. and embedded into your site)</b></li> <li>• <b>Accessible Word, PowerPoint or PDF File (extra credit)</b></li> <li>• <b>A form (Ex: this can be used as part of your “contact us”)</b></li> </ul> <p><b>Explain the goal of your site and justify the design features:</b></p> <ul style="list-style-type: none"> <li>• <b>What fonts and colors did you use and why? (Did you check your page for color blindness issues?)</b></li> </ul>

- Why did you choose the layout that you did, is the reading order accessible?

**ASSESSMENT RUBRIC(S)**

**COURSE**  
*Assignment rubric*

Name: \_\_\_\_\_

Date: \_\_\_\_\_

	<b>No Evidence</b> 1	<b>Beginning</b> (Limited evidence) 2	<b>Developing</b> (Clear evidence) 3	<b>Accomplished</b> (Clear, convincing, substantial evidence) 4	<b>SCORE</b>
<b>CRITERIA (35 points)</b>					
<b>Layout and Navigation</b> <ul style="list-style-type: none"> <li>• Site including a skip navigation link where appropriate</li> <li>• Is site clear and simple to navigate?</li> </ul>					
<b>Design</b> <ul style="list-style-type: none"> <li>• Each page indicates Page Title, and Contact Information (Date last Updated is helpful)</li> <li>• Site includes at least one accessible complex table to display data?</li> <li>• Site includes meaningful links and alt tags?</li> <li>• Site includes one image that requires a long description?</li> <li>• Site includes one captioned audio or video file?</li> <li>• Site provides good color contrast?</li> <li>• Site includes proper coding for an accessible form</li> </ul>					
<b>Error Free</b> <ul style="list-style-type: none"> <li>• No broken images</li> </ul>					

<ul style="list-style-type: none"> <li>• <b>No broken links</b></li> </ul>					
<b>Presentation</b> <ul style="list-style-type: none"> <li>• <b>Did the student present the rationale, accessibility features and design features of the project in a clear and organized way?</b></li> <li>• <b>Did the student present the final website?</b></li> </ul>					

Comments: