IFSC 1310 – Internet Technologies

Fall 2012
Tuesday & Thursday
1:40pm – 2:55pm
EIT 219
Note: This syllabus is subject to modification by the instructor.

Class Information

Course Name: IFSC 1310 – Internet Technologies
Instructor: Thomas Wallace
Office: EIT 545
Telephone: 501.804.6422
Email: tswallace@ualr.edu
Office Hours: Tuesday / Thursday – 11:00 a.m. - 1:00 p.m. | By Appointment

Additional Support

EIT Student Academic Services
Katie Young, EIT 117, kcyoung@ualr.edu

Course Materials

Text Book

Title: HTML & CSS Web Standards Solutions
Authors: Murphy and Persson
Publisher: Friends of ED

All additional required materials will be available via my website located at http://thomaswallace.net

External USB Storage Device - 1GB Minimum

Course Overview

This course is an introduction to Internet client-side technologies and standards-based web development. The course will be divided into sections covering the 4 core components of any web site/page. The sections are Structure, Content, Design (Presentation), and Behavior. At the end of this course, the student will be able to build from the ground up an interactive & accessible web site that will integrate all of the technologies covered in this course.

Course Requirements and Grades

10% - Participation & Self-Initiated Learning
30% - Homework Assignments
30% - Skill-Based Assessments (3 - XHTML, CSS, Applied JavaScript)
30% - Final Web Site Project

Attendance

Attendance is critical in mastering the course material. If you must miss class, please send an email to tswallace@ualr.edu **before class** begins explaining the reason for your absence. Excessive absences will negatively affect your class participation grade.

Grading Scale

90 — 100%   A
80 — 89%   B
70 — 79%   C
60 — 69%   D
BELOW 60%   F

Detailed Schedule

Session Date	Topic / Activity
8/23/12	**Introduction:** Review Syllabus and course expectations
8/28/12	**Introduction:** Our Window to the Web: Web Browsers & Understanding Web Related Terminology
8/30/12	**Getting Started:** Structure, Content, Design, & Behavior and a discussion on Naming Conventions, Meta Naming, Directory Structure
09/04/12	**Structure:** Introduction to (X)HTML - Understanding how a web page works, DTD's, Exploring the <head> (title, description, keywords, language, encoding)
09/06/12	**Structure**: Introduction to (X)HTML – Properly Marking up an (X)HTML Document (Headings, Paragraphs, Lists, Links, Images, Block vs. Inline Elements)
09/11/12	**Structure**: Introduction to (X)HTML - Properly Marking up an (X)HTML Document (Tables , Forms, Attributes)

09/13/12	**Structure:** Creating Code Blocks (Div, Span, ID & Class attributes)
09/18/12	**Site Management:** Dreamweaver CS5.5 and Defining a Site
09/20/12	**Design:** Introduction to CSS – Creating and attaching a style sheet – Type, ID, Class Selectors
09/25/12	**Design:** CSS Syntax, Styling the elements of your site, Reset Style Sheet
09/27/12	**Design:** Using CSS for Layouts – CSS Box Model.
10/02/12	**Design:** Using CSS for Layouts – In-class Lab
10/04/12	**Design / Content: Overview of Final Project** Planning and Storyboarding a web site – Color and Typography Discussion
10/09/12	**Design:** Introduction to Fireworks CS5 – Working with Shapes, Symbols and Text
10/11/12	**Design**: Introduction to Fireworks CS5 – Filters, Guides, and Paths, Cropping, Optimization
10/16/12	**Design**: Introduction to Fireworks CS5 – Using the Path Tool
10/18/12	**Design:** Introduction to Fireworks CS5 - Web Site Banner Case Study – Explore the design process using a combination of the techniques we have used thus far | Optimizing images for the web
10/23/12	**Structure / Design**: Integrating Images into your site template, Hyperlinks and Styling Navigation
10/25/12	**Structure:** Validating your site Template | Finalizing Page Structure | Duplicating Pages
10/30/12	**Special Topics:** Web Accessibility

11/01/12	**Behavior:** Introduction to JavaScript – Your First Script, Document Object Model (DOM)
11/06/12	**Behavior:** Introduction to JavaScript – Evaluating a script's usefulness.
11/08/12	**Behavior:** Introduction to JavaScript – The Power of JavaScript Libraries
11/13/12	**Behavior:** Introduction to JavaScript – JQuery in class lab
11/15/12	**Content/Design:** Special Topics
11/20/12	**Content/Design:** Special Topics
11/22/12	**Thanksgiving Holiday – No Class**
11/27/12	**Content/Design:** Special Topics - Contact Form and other web-based tools
11/29/12	Project Troubleshooting / Optimization
12/04/12	Project Troubleshooting / Optimization
12/06/12	Last Day of Class - Final Project Due

Statement for Students with Disabilities

Your success in this class is important to me, and it is the policy and practice of the University of Arkansas at Little Rock to create inclusive learning environments consistent with federal and state law. If you have a documented disability (or need to have a disability documented), and need an accommodation, please contact me privately as soon as possible, so that we can discuss with the Disability Resource Center (DRC) how to meet your specific needs and the requirements of the course. The DRC offers resources and coordinates reasonable accommodations for students with disabilities. Reasonable accommodations are established through an interactive process among you, your instructor(s) and the DRC. Thus, if you have a disability, please contact me and/or the DRC, at 501-569-3143 (V/TTY) or 501-683-7629 (VP). For more information, please visit the DRC website at ualr.edu/disability.