

# IFSC 1310 – Internet Technologies

Spring 2012

Tuesday & Thursday

1:40pm – 2:55pm

EIT 220

**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](mailto: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](mailto: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://ualr.edu/tswallace>

**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](mailto: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
1/17/12	<b>Introduction:</b> Review Syllabus and course expectations
1/19/12	<b>Introduction:</b> Our Window to the Web: Web Browsers & Understanding Web Related Terminology
1/24/12	<b>Getting Started:</b> Structure, Content, Design, & Behavior and a discussion on Naming Conventions, Meta Naming, Directory Structure
1/26/12	<b>Structure:</b> Introduction to (X)HTML - Understanding how a web page works, DTD's, Exploring the <head> (title, description, keywords, language, encoding)
1/31/12	<b>Structure:</b> Introduction to (X)HTML – Properly Marking up an (X)HTML Document (Headings, Paragraphs, Lists, Links, Images, Block vs. Inline Elements)
2/02/12	<b>Structure:</b> Introduction to (X)HTML - Properly Marking up an (X)HTML Document (Tables , Forms, Attributes)
2/07/12	<b>Structure:</b> Creating Code Blocks (Div, Span, ID & Class attributes)
2/09/12	<b>Site Management:</b> Dreamweaver CS4 and Defining a Site
2/14/12	<b>Design:</b> Introduction to CSS – Creating and attaching a style sheet – Type, ID, Class Selectors
2/16/12	<b>Design:</b> CSS Syntax, Styling the elements of your site, Reset Style Sheet
2/21/12	<b>Design:</b> Using CSS for Layouts – CSS Box Model.
2/23/12	<b>Design:</b> Using CSS for Layouts – In-class Lab
2/28/12	<b>Design / Content: Overview of Final Project</b> Planning and Storyboarding a web site – Color and Typography Discussion

3/1/12	<b>Design:</b> Introduction to Fireworks CS4 – Working with Shapes, Symbols and Text
3/6/12	<b>Design:</b> Introduction to Fireworks CS4 – Filters, Guides, and Paths, Cropping, Optimization
3/08/12	<b>Design:</b> Introduction to Fireworks CS4 – Using the Path Tool
3/13/12	<b>Design:</b> Introduction to Fireworks CS4 - 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
3/15/12	<b>Structure / Design:</b> Integrating Images into your site template, Hyperlinks and Styling Navigation
3/20/12	<b>Spring Break — No Class</b>
3/22/12	<b>Spring Break — No Class</b>
3/27/12	<b>Structure:</b> Validating your site Template   Finalizing Page Structure   Duplicating Pages
3/29/12	<b>Special Topics:</b> Web Accessibility
4/03/12	<b>Behavior:</b> Introduction to JavaScript – Your First Script, Document Object Model (DOM)
4/05/12	<b>Behavior:</b> Introduction to JavaScript – Evaluating a script's usefulness.
4/10/12	<b>Behavior:</b> Introduction to JavaScript – The Power of JavaScript Libraries
4/12/12	<b>Behavior:</b> Introduction to JavaScript – JQuery in class lab
4/17/12	<b>Content/Design:</b> Special Topics - HTML 5
4/19/12	<b>Content/Design:</b> Special Topics - CSS 3
4/24/12	<b>Content/Design:</b> Special Topics - Contact Form and other web-based tools
4/26/12	<b>Content/Design:</b> Special Topics - Student Requests
5/01/12	Project Troubleshooting / Optimization
5/03/12	Consultation Day
5/11/11	Finals Begin

### ***Statement for Students with Disabilities***

It is the policy of the University of Arkansas at Little Rock to create inclusive learning environments. If there are aspects of the instruction or design of this course that result in barriers to your inclusion or to accurate assessment of achievement—such as time-limited exams, inaccessible web content, or the use of non-captioned videos—please notify the instructor as soon as possible. Students are also welcome to contact the Disability Resource Center, telephone 501-569-3143 (v/tty). For more information, visit the DRC website at <http://ualr.edu/disability/>.