

IFSC 1310 – Internet Technologies

Fall 2017 | EIT 218
Tuesday & Thursday
9:25pm – 10:40pm

Note: This syllabus is subject to modification by the instructor.

Class Information

Course Name: IFSC 1310 – Internet Technologies
Instructor: Thomas Wallace
Office: EIT 547
Telephone: 501.804.6422
Email: tswallace@ualr.edu
Office Hours: Monday / Wednesday – 9:00 a.m. - 11:00 p.m. | By Appointment

Additional Support

EIT Student Academic Services
Amy Frets, EIT 117, amfrets@ualr.edu

Course Materials

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

External / Cloud Storage - 1GB Minimum (Google Drive works well)

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 - HTML5, 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
8/17/17	Introduction: Review Syllabus and course expectations
8/22/17	Introduction: Our Window to the Web: Web Browsers & Understanding Web Related Terminology
8/24/17	Getting Started: Structure, Content, Design, & Behavior and a discussion on Naming Conventions, Meta Naming, Directory Structure
8/29/17	Structure: Introduction to HTML5 - Understanding how a web page works, DTD's, Exploring the <head> (title, description, keywords, language, encoding)
8/31/17	Structure: Introduction to HTML5 – Properly Marking up an HTML5 Document (Headings, Paragraphs, Lists, Links, Images, Block vs. Inline Elements)
9/5/17	Structure: Introduction to HTML5 - Properly Marking up an HTML5 Document (Tables , Forms, Attributes)
9/7/17	Structure: Creating Code Blocks (Div, Span, ID & Class attributes)
9/12/17	Site Management: Managing and Publishing Files
9/14/17	Design: Introduction to CSS – Creating and attaching a stylesheet – Type, ID, Class Selectors
9/19/17	Design: CSS Syntax, Styling the elements of your site, Reset Style Sheet
9/21/17	No Class
9/26/17	Design: Using CSS for Layouts – CSS Box Model.
9/28/17	Design: Using CSS for Layouts – In-class Lab
10/3/17	Design / Content: Overview of Final Project Planning and Storyboarding a web site – Color and Typography Discussion
10/5/17	Design: Introduction to Graphic Design – Working with Shapes, Symbols and Text
10/10/17	Design: Introduction to Graphic Design – Filters, Guides, and Paths, Cropping, Optimization
10/12/17	Design: Introduction to Graphic Design – Using the Path Tool
10/17/17	Design: Introduction to Graphic Design - 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
10/19/17	Structure / Design: Integrating Images into your site template, Hyperlinks and Styling Navigation

10/24/17	Structure: Validating your site Template Finalizing Page Structure Duplicating Pages
10/26/17	Special Topics: Web Accessibility
10/31/17	Behavior: Introduction to JavaScript – Your First Script, Document Object Model (DOM)
11/2/17	Behavior: Introduction to JavaScript
11/7/17	Behavior: Introduction to JavaScript – The Power of JavaScript Libraries
11/9/17	Behavior: Introduction to JavaScript – JQuery in-class lab
11/14/17	Content/Design: Special Topics - HTML5
11/16/17	Content/Design: Special Topics - CSS3
11/21/17	Content/Design: Special Topics - Contact Form and other web-based tools
11/23/17	Thanksgiving Break - No Class
11/28/17	Project Troubleshooting / Optimization
11/30/17	Project Troubleshooting / Optimization
12/5/17	Consultation Day
12/12/17	Final Due - 10:00am

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.