

Course Number: IS117

Course Title: Introduction to Website Development

Section: 101

Semester: Fall 2015

Date & Time: MR: 6:00PM – 9:05PM

Location: PC Mall 36

Credits: 3

Contact Hours: 3 Hours Face-to-Face

Instructor Information:

Name: Keith Williams

Office: 4107 GITC

Phone Number: 201-988-4855

Email (preferred): kwilliam@njit.edu

Office Hours:

Thursday @ 3PM – 5:30PM in PC Mall

And By Appointment

Course Materials

Krug, Steve, *Don't Make Me Think: A Common Sense Approach to Web Usability*. New Riders; 2nd edition, 2015. Print. ISBN-13: 978-0321344755 ISBN-10: 0321344758

Anne Boehm. *Murach's HTML and CSS3 3rd Edition*. Fresno, Calif.: Mike Murach & Associates, 2015. Print. ISBN: 978-1890774837

Catalog Description

This course discusses the concepts and skills required to plan, design and build websites. It will be taught in a lab to ensure hands-on experience with each of these tasks. The course begins with an overview of web technologies. Students learn to plan websites, which includes determining the business and end-user requirements for the site. Design includes learning to develop "mockups" of how the site will look and how people will use it. The major tools for building websites will be industry standard HTML and XHTML to describe webpage content, and Cascading Style Sheets (CSS) for flexibly formatting the content. Using entire site, as well as "future-proofs" a website, allowing it to be viewed on every major web browser (such as Firefox or Chrome) and easily adapt to changes in future browser technology. The course features substantial hands-on projects comprising websites of several interlinked pages and images, enabling students to thoroughly learn the course's important concepts and skills.

Prerequisites: None

Learning Outcomes

1. Students will be able to create a multi-page website using HTML and CSS
2. Students will be able to create a website using a structured process that consists of defining requirements, creating a mockup, and coding the final website.
3. Students will be able to select the most appropriate image file format for use online
4. Students will be able to use Linux commands to manage files and folders on a web server
5. Students will be able to use SFTP/FTP to upload and download files to a web server

6. Students will be able to demonstrate website usability concepts by designing a navigation menu for a website.
7. Students will be able to demonstrate information architecture principles by designing a website home page.
8. Students will be able to define basic terminology used by web page analytics tools such as Google Analytics
9. Students will be able to explain the process of how web pages are accessed and transmitted across the Internet

Grading

Grading Category Weights

2 Projects: 20%
 6 Quizzes: 20%
 Mid-Term Exam: 20%
 Final Exam: 20%
 Homework: 10%
 Participation: 10%

Grading Scale

A: 90 - 100
B+: 88-89
B: 80 - 87
C+: 78-79
C: 70 - 77
D+: 68 - 69
D: 60 - 67
F: 0 - 59

Incompletes are only given for extenuating and documented medical, or personal issues.

Code Academy

Code Academy is the best available tool for teaching HTML, CSS, and JavaScript. In this course you are required to complete two code academy courses. There is a code academy assignment posted in Moodle, this is where you should submit a link to your code academy user profile. The user profile displays badges for completing parts of each course and you will receive a grade based on your completion percentage of the the courses.

Required Courses:

1. <http://www.codecademy.com/en/tracks/web>
2. <http://www.codecademy.com/tracks/jquery>

Project Rubric

You are expected to complete milestones for your project. Each project is expected to have a project template and a mockup of the ui and/or flow chart for the application.

3 – Above Average Performance – Thoughtful Visual Design and/or Technically Advanced

2 – Average Performance – Demonstrates all major project requirements

1 – Below Average Performance – Submitted with obvious technical and/or visual deficiencies

Late Project Policy

All projects must be turned in on time, or you will lose one point for each week that project is late.

Attendance

Attendance will be taken for each class meeting. You are permitted one unexcused absence for the class; however, each subsequent absence will result in a 3 percent reduction in your final grade. Attendance is worth 10% of your final grade.

Academic Integrity Policy

My expectation is that each person will complete original work for this course and will not copy from fellow students or tutorials online. It is OK to refer to tutorials online; however, you will be considered in violation of the NJIT honor code by submitting work found online. Any violations of the honor code will be referred to the Dean of Students for investigation and possible disciplinary action.

For more information about the NJIT honor code, you should refer to this document:

<http://www.njit.edu/academics/pdf/academic-integrity-code.pdf>