Course Number: IS117
Course Title: Introduction to Website Development
Section: 031
Semester: Summer 2016
Date & Time: FRI: 01:00PM – 03:55PM
Location: 2315A GITC
Credits: 3
Contact Hours: 3 Hours Face-to-Face

Instructor Information:
Name: Richard Baldwin
Office: 4107 GITC
Phone Number: 201-988-4855
Email (preferred): rdb@njit.edu

Office Hours:
By Appointment

Course Materials
Krug, Steve, *Don't Make Me Think, Revisited: A Common Sense Approach to Web Usability (3rd Edition)*. New Riders; 3nd edition, 2014. Print. ISBN-13: 978-0321965516 ISBN-10: 0321965515

Anne Boehm. *Murach's HTML and CSS3 3nd 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	**Grading Scale**	
Projects: 15%	**A:** 90 - 100	**C:** 70 - 75
Mid-Term Exam: 35%	**B+: 86-89**	**D+ 66 - 69**
Final Exam: 35%	**B:** 80 - 85	**D:** 60 - 65
Homework: 10%	**C+: 76-79**	**F:** 0 - 59
Participation: 5%		

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

This session we will have a mid-term and a final and one project. The exams (midterm and final) will count towards 90% of your final grade. The other 10% will be made up of a combination of home work and class participation. If you submit no home works and say nothing in class it is virtually impossible to receive an A in this class.

Code Academy

Code Academy is the best available tool for teaching HTML, CSS, and JavaScript. In this course you are required to complete one code academy course. There will be 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 courses.

Required Courses:

1. http://www.codecademy.com/en/tracks/web

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 1 percent reduction in your final grade. Attendance is worth 5% 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