IMED 2315 Syllabus
BROOKHAVEN COMMUNITY COLLEGE

Instructor Information
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Course Information
Course Title: Web Design II
Course Number: IMED 2315
Section Number: 21001
Semester/Year: Fall 2019
Credit Hours: 3 hours
Class Meeting Time/Location: B-222
Certification Date: 9/9/2019
Last Day to Withdraw: 11/14/2019

Course Prerequisites
Recommended: IMED 1316 or IMED 1416.

Course Description
This course covers more advanced concepts in CSS web design and includes an introduction to jQuery and current web practices. (2 Lec., 4 Lab.)
Course Objective
Continued instruction of web site design is the objective of this course. The course will focus on mastering Cascade Style Sheets (CSS). Students will take a deeper look at CSS and expand on what they learned in Web Design I. Advanced CSS techniques are covered, along with new features in CSS3. Students are expected to incorporate the visual design principles in course work as well as build standard compliant web pages specified by the World Wide Web Consortium (W3C).

Student Learning Outcomes
- Demonstrate the use of W3C standards for style, accessibility, layout and formatting.
- Target a particular audience through visual communication.
- Create web sites for usability and cultural diversity.
- Understand the benefits of CSS.
- Utilize the three types of styles external, internal and inline to organize CSS code.
- Learn and understand the anatomy of a style.
- Use the class attribute and the CSS dot operator “.” to create multiple style blocks on a page.
- Use the ID attribute and the CSS pound operator “#” to create a block style for a unique item on the page.
- Apply font and text effects, including Web fonts, to CSS code and page elements.
- Implement gradients and background image techniques introduced in CSS3.
- Demonstrate and understand the use of comments in a CSS file.
- Use the relative, float, clear attributes to position content blocks on a page.
- Render content appropriately for desktops, mobile and tablet devices using media queries.
- Configure web animations using CSS3 transitions and basic jQuery.

Required Course Materials
Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Graded Work
The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.

Summary of Graded Work

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>2 @ 120 points</td>
<td>240 points</td>
</tr>
<tr>
<td>Lab Assignments</td>
<td>8 @ 30 points each</td>
<td>260 points</td>
</tr>
<tr>
<td>Mid Semester Project</td>
<td>1 @ 200 points each</td>
<td>200 points</td>
</tr>
<tr>
<td>Final Project</td>
<td>1 @ 300 points each</td>
<td>300 points</td>
</tr>
</tbody>
</table>

**TOTAL: 1,000 points**

Final Grade

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-1,000</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>800-899</td>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>700-799</td>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>600-699</td>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-599</td>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Description of Graded Work

**Exams:** Exams have true/false, multiple-choice, and matching questions. You must answer within a 60-minute time-limit. You will be allowed one attempt for each exam.

**Lab Assignments:** Lab assignments are hands-on practice exercises to reinforce course material.

**Projects:** Projects are varying subject matters that include proof of concept and website creation.
**Attendance and Your Final Grade**

Students are expected to attend class regularly. Although attendance is not specifically graded, missing a significant number of classes will likely have a negative impact on your final grade.

**Late Work Policy**

This course is not self-pace. Assignments are due on the date outlined in the course schedule. Late assignments will not be accepted unless you notify your instructor ahead of time and receive approval to submit your assignment after the deadline.

**Other Course Policies**

**Submitting Required Work:** All work is to be posted to your assigned website throughout the semester using an FTP program for your operating system.

**Open Lab Hours:** Open lab hours are available to any enrolled student, online or campus student, however access is limited to scheduled open lab hours. Open lab hours are normally posted within the first two weeks of the semester. To use the computers in either lab, login with ‘Student’ as the id and password. Bring a USB Flash/thumb drive to save the work you create in the labs.

The Mac lab is in the B-Building where this section of the class is taught. There are 2 computer labs: B-225 and B 227. All software is available on Macintosh OSX computers and all computers have Internet access. The lab assistant is available for questions concerning operation of the Mac Computers and help with printing, saving and opening files and some software questions. Although our lab assistants use and understand most software that we teach, they have many responsibilities and cannot sit with students individually and tutor. They will answer a few questions and help as they can, however if you totally do not understand an assignment, email your instructor. Make sure you bring your textbook with you to lab.

The PC lab is in K107. It is normally open M-Th 9-9, Fri 9-2, however this may change. Hours will be posted outside the lab. To use the computers, stop by the lab assistant’s office for access. Although the PCs are provided for student use, and Photoshop is installed on the computers, the lab assistant is NOT available for questions or help with software in this lab.
**Institutional Policies**

Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

Brookhaven Institutional Policies (http://www.brookhavencollege.edu/syllabipolicies)

**Course Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Readings &amp; Assignments</th>
</tr>
</thead>
</table>
| 1    | Unit 1 – Orientation & Getting Set-Up Locally | eCampus Orientation  
Getting Set-Up Locally |
| 2-3  | Unit 2 – HTML/CSS Basics & Web Design | Chapter 1: HTML and CSS  
Web Design Process (not in book) |
| 4    | Unit 3 – Styles, Stylesheets & Selectors | Chapter 2: Creating Styles and Style Sheets  
Chapter 3: Selectors: Identifying What to Style  
Lab 1: Selector Sampler Tutorial |
| 5    | Unit 4 – Style Inheritance & The Cascade | Chapter 4: Saving Time with Style Inheritance  
Chapter 5: Managing Multiple Styles: The Cascade  
Lab 2: The Cascade in Action Tutorial |
| 6    | Unit 5 – Web Typography | Chapter 6: Formatting Text  
Lab 3: Text Formatting in Action Tutorial |
| 7    | Unit 6 – Website Visuals | Chapter 7: Margins, Padding and Borders  
Chapter 8: Adding Graphics to Web Pages  
Lab 4: All Three Tutorials |
| 8    | Unit 7 – Site Navigation | Chapter 9: Sprucing Up Your Site's Navigation  
Lab 5: Creating a Navigation Bar Tutorial  
Mid Semester Project Due |
| 9    | Unit 8 – Tables and Forms Formatting | Chapter 11: Formatting Tables and Forms  
Lab 6: Styling a Form Tutorial  
Midterm (Chapters 2-9) |
| 10-11| Unit 9 – CSS Layouts | Chapter 12: Introducing CSS Layout  
Chapter 13: Building Float-Based Layouts |
<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Readings &amp; Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Chapter 14: Positioning Elements on a Web Page</td>
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<tr>
<td></td>
<td></td>
<td>Lab 7: Multiple-Column Layouts Tutorial</td>
</tr>
<tr>
<td>12</td>
<td>Unit 10 – Responsive Design</td>
<td>Chapter 15: Responsive Web Design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lab 8: Responsive Web Design Tutorial</td>
</tr>
<tr>
<td>13</td>
<td>Unit 11 – Grid Systems</td>
<td>Chapter 16: Using a CSS Grid System</td>
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<tr>
<td></td>
<td></td>
<td>Chapter 17: Modern Web Layout with Flexbox</td>
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<tr>
<td>14</td>
<td>Unit 12 – CSS3 Animation &amp; jQuery</td>
<td>Chapter 10: CSS Transforms, Transitions, and Animations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A brief look at jQuery (not in book)</td>
</tr>
<tr>
<td>15-16</td>
<td>Dead/Finals Week</td>
<td>Final Project</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Final Exam (Chapters 10-17)</td>
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</tbody>
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