CONTINUING EDUCATION
Course Outline

Responsive Web Design

Skilled web designers are adept at crafting sites to provide an optimal viewing experience. As the user switches from computer to tablet to phone, the website should automatically adjust to accommodate for screen size, resolution and scripting abilities. In this course, learn how the combination of flexible grids, layouts, images and the intelligent use of CSS media queries create easy reading and navigation for the end user.

Who Should Take This Course?

This course is designed for those who want to create websites with optimal viewing experiences. Students should have a foundational understanding of HTML and CSS. This is the third required course in the User Experience (UX) Design Certificate Program.

Course Objectives

- Demonstrate how mobile considerations impact your desktop design, and how your content will impact both
- Apply CSS to create flexible layouts for any screen size
- Display images in a flexible/scalable format
- Create responsive navigation menus by demonstrating bulletproof navigation for responsive sites
- Implement accessible mobile navigation for small screens

Course Info

- Length: 12 hours
- Format: Classroom instruction, demonstration and exercises
- Prerequisite: User Experience Design Fundamentals and HTML5 and CSS3 or equivalent experience

Course Content

Demonstrate how mobile considerations impact your desktop design, and how your content will impact both
- Define "device agnostic design", and explain why it is important
- Identify the ideal line-length for screen readability

Apply CSS to create flexible layouts for any screen size
- Use appropriate viewport code for cross-browser support
- Use a grid to create a flexible multi-column layout
- Use a grid to create a multi-column layout
- Apply the target/context = result formula to set proportional widths on layout elements

- Stagger columns vertically
- Use a grid to create a flexible 2-column layout
- Create a unique home page layout
- Identify content-based breakpoints and write media queries
- Discuss the importance of testing

Display images in a flexible/scalable format
- Describe the difference between CSS background images (presentation) vs. HTML <img> elements (content)
- Determine appropriate sizes for image files
- Write CSS to display background and content images that appropriately scale as the screen size changes
- Set image alignment and margins

Create responsive navigation menus by demonstrating bulletproof navigation for responsive sites
- Use appropriate markup for navigation lists
- Apply CSS to create scalable horizontal navigation menus
- Implement accessible mobile navigation for small screens

Implement accessible mobile navigation for small screens

Assessment /Evaluation

This course is not assigned a letter or numerical grade. However, in some cases, skill assessments may be administered during the course to gauge progress and comprehension.

Course Completion/Continuing Education Unit (CEU) Letter

If your company requires proof of course completion, or if you would like to have proof for your own records, you may request a Course Completion/Continuing Education Unit (CEU) letter **after the final session of your course**. You must attend* 80 percent of the course to qualify for the letter. You can request a Course Completion/CEU letter online.

Certificates of Completion for Certificate Programs

To receive a Certificate of Completion for the HR Generalist Certificate, you must attend* 80 percent of the entire certificate program (calculated by total number of sessions). If you complete a certificate program by taking courses individually, you can request a Certificate of Completion online.

*Attendance for CEU letters and certificate programs is verified via the sign-in sheets provided at each class session. It is your responsibility to sign-in.

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The accommodations authorized on your forms should be discussed with your instructor. All discussions will remain confidential. Accommodations are not provided retroactively, so it is essential to discuss your needs at the beginning of the quarter. Additionally, only accommodations approved by Disability Support Services will be provided. This syllabus is available in alternate formats upon request. Green River College is an equal opportunity educator and employer. Learn more at **www.greenriver.edu/accessibility**.