

WEBDEV-134: Responsive Web Design

Course Description:

Students learn responsive web design concepts for adaptive display on mobile devices, such as smartphones and tablets, as well as traditional monitors with various screen resolutions. Students learn about HTML5 and CSS3 media queries. Some topics include popular responsive frameworks such as Bootstrap and Foundation. The final project is the development of a complete responsive website.

Total Credits: 3.00

Course Competencies

- 1. Differentiate how websites built using responsive web design concepts are different than traditional static websites.**
- 2. Demonstrate proficiency in the use of CSS media queries to design a responsive website.**
- 3. Analyze how various responsive frameworks, such as Bootstrap, can be used to build a responsive website.**
- 4. Evaluate various responsive frameworks in order to choose an appropriate tool to develop a website based on a defined target audience.**
- 5. Design an interface for a website built using a popular responsive framework, such as Bootstrap.**
- 6. Utilize proper file management workflow for project files.**
- 7. Develop a fully-functional responsive website that shows consideration for a minimum of three breakpoints (i.e. phone, tablet, and desktop) through the chosen responsive framework.**
- 8. Critique websites built by peers.**