NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

COURSE SYLLABUS

Course Title: Web Coding and Development   **Course #:** CST 154
Credits: **4**

Pre-requisite/Co-requisite: CST* 151 with a grade of "C" or better

Course Description: A complete course that covers the coding syntax to create Web pages for the Internet. The two main coding languages XHTML and JavaScript are the emphasis of the course. All of these topics follow the W3C guidelines. The World Wide Web Consortium develops interoperable technologies (specifications, guilelines, software and tools) to lead the Web to it's full potential. The full scope of HTML/XHTML techniques and the interactive capabilities of JavaScript are examined and implementedas students create their own comprehensive webpages.

Goals: The goals of this course are for students:

1. To enhance their knowledge of the features and capabilities of websites through observation and analytical discussions.
2. To develop their proficiency in articulating and summarizing standards and established habits of how websites should be presented.
3. To create a portfolio of projects that demonstrate successful understanding of creating webpages through JavaScript and XHTML coding.
4. To understand the considerations of various delivery platforms

Outcomes: By the end of the course, students should be able to:

1. Demonstrate a varied approach of appraisal to website layout and content as it relates to visual and functional design
2. Integrate multiple research findings to summarize and articulate website features that are considered standards for navigation, consistency, functionality, and form
3. Examine fundamentals of analysis and critical review of website development/design through examination of various sites that meet criteria of elements being reviewed.
4. Apply advanced CSS to enhance a website
5. Develop websites for mobile device platforms
6. Demonstrate proficiency with JavaScript and XHTML code to design/develop websites consistent with W3C standards.