

## GRDSN 181 Web Development I

### Course Outline

In this course, students are required to demonstrate the following competencies at an introductory level of proficiency:

- I. Review HTML and Cascading Style Sheets (CSS) web markup
  - A. Identify structural HTML elements
  - B. Describe presentational styling with CSS
  - C. Review Web Standards
  - D. Compare browser compatibility
  - E. Plan for graceful degradation
  
- II. Address HTML elements with CSS
  - A. Identify selectors, properties, and values
  - B. Create nested elements
  - C. Give elements block and inline properties
  - D. Employ relative and absolute paths
  - E. Determine CSS specificity ranking
  - F. Use selector types: element, ID, and classes
  - G. Configure the CSS box model
  - H. Use debugging tools to inspect, analyze, and edit markup using Firebug
  
- III. Position elements with CSS
  - A. Apply absolute and relative positioning
  - B. Create floats and clear of floats from elements
  - C. Remedy collapsed parent containers
  - D. Structure layout using floats
  - E. Create varied layouts with style sheet variations

- IV. Identify and explore the evolving web markup technologies
  - A. Review the feature set of the latest HTML specification
  - B. Employ structural elements new to HTML
  - C. Review the latest features of CSS
  
- V. Create layouts using CSS
  - A. Create multi-column layouts with CSS
  - B. Create faux-column backgrounds
  - C. Create fluid and liquid layouts
  
- VI. Apply styling to behavior and structure
  - A. Use child and sibling relationships in styling
  - B. Use pseudo classes to create hover effects
  - C. Use sprite images in CSS elements.
  
- VII. Utilize web resources and utilities
  - A. Examine shared CSS libraries
  - B. Utilize CSS to reset user agent style sheets
  - C. Identify resources for shared CSS libraries
  
- VIII. Utilize file transfer utilities and file management
  - A. Use Dreamweaver FTP and file management.
  - B. Use a stand-alone FTP client.
  - C. Use online tools to optimize markup
  - D. Access web font technologies and providers
  
- IX. Employ dynamic technologies
  - A. Compare static and dynamic web pages
  - B. Analyze content management systems
  - C. Utilize theming and skinning techniques
  - D. Develop themes for CMS

**COURSE LEARNING OUTCOMES (CLOs)**

1. Review HTML and CSS web markup
2. Address HTML elements with CSS
3. Position elements with CSS
4. Identify and explore the evolving web markup technologies
5. Create layouts using CSS
6. Apply styling to behavior and structure
7. Utilize web resources and utilities
8. Utilize file transfer utilities and file management
9. Employ dynamic technologies