Course Description: Learn the newest CSS standard, how it can change users' interactions with your web projects, and the best ways to implement CSS3 with backward compatibility. Review the new capabilities and applications with hands-on exercises – from typography to media queries. Prerequisites: Web Authoring; using Cascading Style Sheets or equivalent knowledge.

Objectives: Every student will be able to:

- Identify the differences between CSS3 and earlier CSS specifications
- Explore advantages (and limitations) of CSS3
- Review browser support
- Discuss best practices and how to use CSS3 moving forward

Rationale: CSS allows web authors to separate content from presentation – and the newest specification, CSS3, provides even more flexibility when it comes to presentation and styling. The modular structure of CSS3 includes features for backgrounds and colors, media queries and column layout options. These changes – in conjunction with HTML5 – provide a powerful tool for web designers and developers.

Evaluation: Students will be evaluated using online exams and a final project.
Course Outline:

I. Introducing CSS3 2 hours
   What is CSS3?
   Differences between CSS3 and earlier CSS specifications
   How browsers are handling CSS3

II. CSS3 Selectors 3 hours
    Selectors Overview
    Explore specific selectors

III. Designing and Developing with CSS3 9 hours
    Background and color
    Typography
    CSS3 Box Model
    Page layout
    Media Queries

IV. Implementing CSS3 2 hours
    Best Practices
    Advantages and limitations of working with CSS3