J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: ITD 210   **Credits:** 4

Course Title: Web Page Design II

Course Description: Incorporates advanced techniques in web site planning, design, usability, accessibility, advanced site management, and maintenance utilizing web editor software. Prerequisite: ITD 110 or equivalent. Lecture 4 hours per week.

General Course Purpose: Required in the Web Development Career Studies Certificate, which also feeds into the IST AAS - Web Development concentration. It can also be used as an IT elective in any degree concentration.

Course Prerequisites and Co-requisites:
Prerequisite: ITD 110 or equivalent

Student Learning Outcomes:
Upon completing the course, the student will be able to
a.   Design and create a web site and upload files to the web server;
b.   Apply more advanced web design components, such as style sheets, responsive web design and JavaScript;
c.   Construct web sites using advanced features of CSS and Dreamweaver;
d.   Create a connection between a local site and the remote server;
e.   Develop and test a form with validation; and
f.   Design and create a database administration site, including adding, querying, editing, and deleting from a database with password protection and forced login.

Major Topics to Be Included:
a.   Site creation with content
b.   Sync site with web server
c.   Forms with validation
d.   CSS styles for formatting and layout
e.   JavaScript
f.   Database connectivity (add, query, edit, and delete records)
g.   Designing and creating project(s)

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