

**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 school approval. 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 school approval

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)

Date Created/Updated (Month, Day, and Year): March 21, 2019