

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: ITD 212

Credits: 4

Course Title: Interactive Web Design

Course Description:

Provides techniques in interactive design concepts to create cross-platform, low-bandwidth animations utilizing a vector based application. Emphasizes the importance of usability, accessibility, optimization, and performance. Prerequisite: ITD 110 or equivalent. Lecture 4 hours per week.

General Course Purpose:

This course, which addresses advanced interactive design concepts, serves as a requirement for the Information Systems Technology AAS, Internet Applications Development (Web Design) Specialization and the Internet Applications Development (Web Design) Career Studies Certificate.

Course Prerequisites/Co-requisites:

ITD 110 or equivalent

Course Objectives:

Upon completing the course, the student will be able to:

- a. Understand techniques in interactive web design to create cross-platform, compact, low-bandwidth animations utilizing vector-based applications.
- b. Use Adobe Flash and Fireworks being mindful of usability, accessibility, optimization, and performance.
- c. Create vector graphics and animations.
- d. Design movies by drawing or importing artwork, arranging it on the Stage, animating it with the Timeline, and coding using ActionScript (latest version) for interactive events.
- e. Export movies embedded within an HTML page and transfer to a web server.

Major Topics to be Included:

- a. Techniques in interactive web design
- b. Adobe Flash
- c. Adobe Fireworks
- d. ActionScript (latest version)
- e. Timeline
- f. Vector graphics and animations for web sites
- g. Designing movies

Effective Date of Course Content Summary: January 1, 2012