

Media Arts Seminar: HTML5/CSS3

MART 194A – 01 | CRN: 10672

Summer 2013 | Thursdays, 1-3:45 p.m. | Room 603

Instructor: Brianna Kirkland | Email: brianna.kirkland@sfcc.edu

Class Webpage: <http://www.sfcc.purplepaisleyproductions.com/html5/sum2013>

Course Outline

INTRODUCING HTML5

- What exactly is HTML5?
 - Everything new in HTML, CSS & Javascript API's
- Why use it?
 - Semantics & accessibility
 - Progressive enhancement
 - Responsive Web Design
- Syntax Changes
 - code case insensitive
 - self closing tags
 - wrap block elements in <a>
 - ease of validation
- Content Models
 - Metadata
 - Flow
 - Sectioning
 - Heading
 - Phrasing
 - Embedded
 - Interactive
- When will it be ready?
 - Use it right now! Incorporate new features as they are developed.

LET'S START USING IT

- The New Template
 - doctype
 - html element: dir lang
 - head element: charset, script, link-css
- Structure Elements
 - header
 - sections & articles vs divs
 - nav
 - aside
 - footer
- More New Elements & Changes
 - figure & figcaption
 - time
 - details
 - mark, progress, meter, deprecated, bold, italicized, big, small, and customized ordered lists

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- HTML5 Forms
 - New Form Attributes: required, placeholder
 - New Input Types: search, email addresses, URLs, telephone numbers
 - Changes to Existing Elements : textarea

HELLO, CSS3!

- Getting All Browsers on Board
- Selectors
 - relational
 - attribute
 - Pseudo-classes
 - Structural Pseudo-classes
 - Pseudo-elements and Generated Content
- CSS3 Colors: RGBA, HSL & HSLA, Opacity
- Vendor Prefixes
- Rounded corners
- Drop Shadows: Inset & Multiple
- Text Shadows
- Gradients
- Multiple BG images
- Background Size
- @font-face
- Multi-column layouts
- Media Queries

MORE BELLS & WHISTLES

- HTML5 Audio and Video
 - History & Current State of Play Markup & Custom Controls
- More CSS3 Fun!
 - Transforms
 - Transitions
 - Animations

PUTTING IT ALL INTO PRACTICE

- The Benefits of Boilerplates & Frameworks
- Using Modernizer for Feature Detection

ADVANCED TOPICS

- Geolocation
- Offline Apps & Web Storage
- Canvas & SVG
- Drag & Drop
- Where to Learn More