

LAST REVIEW: 2009-2010

(i.e. 2003-2004)

NEXT REVIEW: 2014-2015

(i.e. 2008-2009)

STATUS: A

(A, I, D)

COURSE TITLE: Cascading Style Sheets

COMMON COURSE NUMBER: CTS 1802C

CREDIT HOURS: 3

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS:

(Voc. Course ONLY)

Lecture: **36**

Lab: **12**

Clinic:

Other:

PREREQUISITE(S): CTS 1851C (with grade of C or higher)

COREQUISITE(S): None

PRE/COREQUISITE(S): None

COURSE DESCRIPTION *(750 characters, maximum):*

This course will help students to understand and apply Cascading Style Sheets to separate the content from the style of web pages. Topics covered will include text styling, working with images, navigation, replacing tables with CSS, form interfaces, positioning, layout, and future techniques.

UNIT TITLES

- 1. Text Styling and Other Basics**
- 2. CSS and Images**
- 3. Navigation**
- 4. Tabular Data**
- 5. Forms and User Interfaces**
- 6. Browser and Device Support**
- 7. CSS Positioning and Layout**

EVALUATION:

Please provide a brief description (250 characters maximum) that details how students will be evaluated on the course outcomes.

Evaluation instruments will include written and/or skills-based examinations and individual in-class and/or take-home assignments. Evaluation methods may also include group in-class and/or take-home assignments.

Common Course Number: CTS 1802C

UNITS

Unit 1: Text Styling and Other Basics

General Outcome:

1.0 The student shall learn to incorporate CSS into their webpage.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1. Understand the limitations of HTML**
- 1.2. Define Styles with CSS**
- 1.3. Replace font tags with CSS**
- 1.4. Specify that text is shown in a certain font**
- 1.5. Remove underlines from links**
- 1.6. Create links that change color on mouseover**
- 1.7. Display two different styles of link on one page**
- 1.8. Add a background color to a heading**
- 1.9. Style headings with underlines**
- 1.10. Highlight text on the page without using font tags**
- 1.11. Alter the line-height (leading) on text**

Common Course Number: CTS 1802C

Unit 2: CSS and Images

General Outcome:

2.0 The student shall learn and demonstrate apply CSS to images.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1 Demonstrate Website Usability concepts**
- 2.2 Add a border to images**
- 2.3 Use CSS to replace the deprecated HTML border attribute on images**
- 2.4 Set a background image for pages with CSS**
- 2.5 Position background images**
- 2.6 Set background images for pages and elements**
- 2.7 Add more than one background image to document**
- 2.8 Add more than one background image to document**

Common Course Number: CTS 1802C

Unit 3: Navigation

General Outcome:

3.0 The student shall learn basic site layout skills.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 3.1 Use page layout**
- 3.2 Create tables**
- 3.3 Use the CSS Box Model**
- 3.4 Use Layers**
- 3.5 Use graphics and rich media**
- 3.6 Trace Images**
- 3.7 Incorporate Video**

Common Course Number: CTS 1802C

Unit 4: Tabular Data

General Outcome:

4.0 The student shall learn to create tabular data using CSS.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1 Present spreadsheet data using CSS**
- 4.2 Ensure tabular data is accessible**
- 4.3 Add a border to a table**
- 4.4 Modify table colors using CSS**
- 4.5 Modify cell spacing attributes using CSS**
- 4.6 Create pages that are easily modified**

Common Course Number: CTS 1802C

Unit 5: Forms and User Interfaces

General Outcome:

5.0 The student shall understand implement forms and user interfaces using CSS.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 5.1 Apply styles to form elements**
- 5.2 Apply styles to buttons**
- 5.3 Apply styles to enable access key usage**
- 5.4 Use CSS to group related fields**
- 5.5 Choosing form submission techniques**
- 5.6 Create dynamic menu items**

Common Course Number: CTS 1802C

Unit 6: Browser and Device Support

General Outcome:

6.0 The student shall learn to code for various browsers and devices.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 6.1 Code CSS to support several browsers**
- 6.2 Test pages in browser emulators**
- 6.3 Check pages with web-based validation services**
- 6.4 Test pages with a screen reader**
- 6.5 Hide CSS from older browsers**
- 6.6 Learn to use the W3C validation service**
- 6.7 Use alternate styles sheets without duplicating code**

Common Course Number: CTS 1802C

Unit 7: CSS Positioning and Layout

General Outcome:

7.0 The student shall learn to position items using CSS.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 7.1 Use classes, pseudo-classes and ID elements**
- 7.2 Choose between block-level and inline elements**
- 7.3 Work with margins and padding**
- 7.4 Work with three-column CSS layouts**
- 7.5 Add alternative printer views using alternate CSS media**
- 7.6 Add headers and footers to pages using CSS**