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This document tracks the time I spent to learn the Online Course "**Introduction to Cascading Style Sheets**", course number **H151.51** taken at **http://www.eclasses.org/** from reading the text book, reading online resources, software installations, programming and debugging.

These online classes are primarily conducted via the web board interface - called Web Crossing. You can take a Virtual Tour of an Online Classroom at *http://www.eclasses.org/Demo/*

*(note: the ".51" in H151.51 refers to the number of times the course has been given).*

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*Total number of hours I spent* (details below) = **142.0** *hrs*

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**\*\*\*\*\*\*\*\*\*\*\*\****Course Description*****\*\*\*\*\*\*\*\***

## Introduction to Cascading Style Sheets - course number H151.51

**Start Date**: 20-August-2007; **Duration:** 8 weeks; **CEUs:** 4.0; **Course Number:** H151.51; **Instructor:** Chimene Long; **Co-Instructor:** Karen Plummer

### *CSS = = Visual Presentation for the Web.*

Cascading Style Sheets have become an important component of W3C recommendations. (X)HTML Strict relies on stylesheets for all stylistic presentation, the Web Accessibility Initiative makes use of CSS for improving access for the disabled, and new work on HTML and XML will continue to make heavy use of CSS for the future. In this course, you will learn the basics of separating style from structure within an HTML document.

Students will develop an introductory understanding of how to code for the web using Cascading Style Sheets (CSS) and to establish an awareness of the inconsistencies in rendering CSS between browsers. Secondary course goals include increasing students' abilities to:

- Know when and where to apply CSS2 style rules

- Create effective pages using CSS2

- Critically evaluate peer work

- Experiment beyond the scope of the course

Each week students will be presented with a series of written lecture notes that supplement a textbook and online readings. Students will learn through reading these materials, working through the supplied examples, participating in online message board discussions, through peer evaluation, and through instructor comments on publicly posted project and review questions.

## How eClasses Work

The classroom environment is based on Lundeen & Associates Web Crossing technology, a threaded messaging system. Instructors post lectures, reading selections, and hands-on assignments once a week in the online classroom. Students can discuss the assignments with the instructor and amongst themselves in the classroom area. **This format has no set meeting time**, which allows students to attend class at a time most convenient to them, yet still provides logically organized communication between class participants. Students can apply for the completion certificate after finishing the class. Web Study certificate is also available. Click on the Certificates link on the top navigation bar for more information.

## Outline

**Week 1:** Introduction

- What is CSS?

- Structure of selectors and declaration blocks

- External, embedded, and inline styles

**Week 2:** Id, Class, Descendant and Grouped Selectors

- Differences between id and class selectors

- Using grouped selectors for common styles

- Use descendant selectors effectively

**Week 3:** Pseudo Class and Element Selectors

- Differences between pseudo class and pseudo element selectors

- Common uses for pseudo class/element selectors

- Styling hyperlinks

**Week 4:** Testing the Cascade

- Specificity basics

- Review and testing of Cascade rules

- What is the !importance rule?

**Week 5:** Backgrounds and Borders

- Adding background images

- Borders for block-level and inline elements

- Browser quirks with borders

**Week 6:** Sprucing up Lists and Tables

- Adding style to lists

- Styles allowed for table layout

**Week 7:** Margins and Alignment

- Basic rues of the box model

- Overlapping blocks

- Positioning content with margins

**Week 8:** Putting It Together

- Basic CSS-based layout

- Comprehensive review of properties discussed

- Final project

## Prerequisites

Students should be comfortable with HTML or XHTML, similar to the content in this course Introduction to HTML (H101).

## Requirements

Students must have webspace where they can post their assignments. Students will need to have at least two browsers installed on their computer. Current versions of Internet Explorer, Firefox, Opera, Safari, or Mozilla are recommended.

## Books:
**Required Book:** Cascading Style Sheets: The Definitive Guide, 2nd Edition , by Eric Meyer, (507 pp), **ISBN**: 0596005253, Oreilly, March 2004. **Suggested Book:** Cascading Style Sheets: The Definitive Guide, Third Edition,  by Eric Meyer, (518 pp), **ISBN**: 0596005253, Oreilly, Nov 2006. **Suggested Book:** Sams Teach Yourself CSS in 24 Hours , byKynn Bartlett,  (504 pp), **ISBN**: 0672324091, Sams, July 10, 2002.

**Instructor: Chimene Long** has been a web author for almost seven years and has sixteen years experience with computers. She has provided contract web design services and web accessibility consultation. She also has experience with various adaptive technology for clients with disabilities.

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# \*\*\*\*\*\*\*\*\*\*\*\*\**Table of Contents*\*\*\*\*\*\*\*\*\*\*\*\*

*Text Book:* **Cascading Style Sheets: The Definitive Guide, Third Edition**,  by Eric Meyer, (518 pp).

**Chapter 8:** Padding, Borders, and Margins
**Chapter 9:** Colors and Backgrounds
**Chapter 10:** Floating and Positioning
**Chapter 11:** Table Layout
**Chapter 12:** Lists and Generated Content
**Chapter 13:** User Interface Styles
**Chapter 14:** Non-Screen Media
**Appendix A :** Property Reference
**Appendix B :** Selector, Pseudo-Class, and Pseudo-Element Reference
**Appendix C :** Sample HTML 4 Style Sheet
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*Documentations:* The documents - **file names** - that I wrote/created are:

1.      TimeSpentToLearnCSS.rtf
2.      IntroToCSS_H151.51_Syllabus_Reading.rtf
3.      IntroToCSS_H151.51_Lessons and Discussions.rtf
4.      IntroToCSS_H151.51_Assignments.rtf
6.      IntroToCSS_H151.51_Others.rtf
7.      IntroToCSS_H151.51_QuestionsandAnswers.rtf

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| Date | Time Spent (hrs) | Description (mainly) |
|---|---|---|
| Sunday August 19, **2007** | 2.5 | **Start of Introduction to CSS -**course number **H151.51** <br> **Reading** and **Documenting** course materials at eClasses. org site at http://www.eclasses.org/ <br> Documents **created** are located at: C:\Documents and Settings\boutros\My Documents\My Programs\eClasses.Org\Course_IntroductionToCSS_H151.51\ |
| Tuesday August 21, 2007 | 1.75 | **Read** and **Documented** Online material of Introduction To CSS class "Lesson and Discussion -Week 1-Introduction to CSS" at **http://www.eclasses.org/** |
| Wednesday August 22, 2007 | 6.75 | **Finished-Reading** Online material of Introduction To CSS class "Lesson and Discussion -Week 1-Introduction to CSS" at **http://www.eclasses.org/** <br> **Read** CSS class -Week1- Online references at: <br> http://builder.com.com/5100-31-5074849.html <br> http://www.meyerweb.com/eric/articles/webrev/199906.html <br> **Finished  First** week Review Questions for Introduction to CSS class. Posted it online at: <br> http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week1Review.html <br> http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Review.css |
| Thursday August 23, 2007 | 3.0 | **Finished  First** week Homework for Introduction to CSS class. Posted it online at: <br> http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week1Hw1.html <br> http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week1Hw2.html |
| Friday August 24, 2007 | 0.75 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer <br> Preface; Chapter 1: [pages 1 - 2]. |

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|---|---|---|
| Saturday August 25, 2007 | 4.0 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 1: [pages 3 - 22] ; Chapter 2: [pages 23 - 48]. |
| Sunday August 26, 2007 | 2.0 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 2: [pages 49 - 61]. |
| Monday August 27, 2007 | 1.75 | **Read** and **Documented** Online material of Introduction To CSS class "Lesson and Discussion -Week 2-id, class, descendant and grouped selectors" at **http://www.eclasses.org/** |
| Tuesday August 28, 2007 | 3.0 | **Read** CSS class -Week2- Online references at:<br>http://www.reeddesign.co.uk/test/points-pixels.html<br>http://css-discuss.incutio.com/?page=ClassesVsIds<br>http://tantek.com/log/2002/12.html#L20021216t2238<br>http://www.hwg.org/resources/faqs/cssFAQ.html<br>http://www.bigbaer.com/css_tutorials/css_font_size.htm<br>http://www.htmlhelp.com/reference/css/structure.html<br>http://www.danielgreene.com/fontprop.html<br>http://www.w3.org/TR/REC-CSS2/fonts.html<br>http://realworldstyle.com/environmental_style.html<br>http://css.maxdesign.com.au/selectutorial/advanced_idclass.htm<br>http://www.w3.org/TR/CSS21/selector.html#class-html |
| Wednesday August 29, 2007 | 5.75 | **Read** CSS class -Week2- Online references at:<br>http://www.456bereastreet.com/archive/200509/css_21_selectors_part_1/<br>http://www.456bereastreet.com/archive/200510/css_21_selectors_part_2/<br>http://www.456bereastreet.com/archive/200510/css_21_selectors_part_3/<br><br>**Finished Second** week Homework & Review Questions for Introduction to CSS class.<br>Posted them online at:<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week2Hw.html<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week2Review.html |
| Thursday August 30, 2007 | 0.75 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 5: [pages 94 - 96]. |
| Friday August 31, 2007 | 2.0 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 5: [pages 97 - 117]. |
| Saturday September 1, 2007 | 1.75 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 5: [pages 118 - 127] ; Chapter 3: [pages 62 - 65]. |
| Sunday September 2, 2007 | 1.5 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 3: [pages 66 - 76]. |

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| Monday September 3, 2007 | 1.75 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 4: [pages 77 - 93]. |
| Tuesday September 4, 2007 | 4.5 | **Read** and **Documented** Online material of Introduction To CSS class "Lesson and Discussion -Week 3-pseudo-class and pseudo-element selectors," at<br>**http://www.eclasses.org/**<br>**Read** CSS class -Week3- Online references at:<br>http://www.w3.org/TR/CSS21/selector.html#q15<br>http://www.w3.org/TR/CSS21/selector.html#pseudo-elements<br>http://www.w3.org/TR/CSS21/generate.html#before-after-content<br>http://meyerweb.com/eric/css/link-specificity.html<br>http://www.htmlhelp.com/reference/html40/block.html<br>http://www.westciv.com/style_master/academy/browser_support/selectors.html<br>http://meyerweb.com/eric/css/tests/css2/sec05-11-04.htm |
| Wednesday September 5, 2007 | 3.5 | **Finished Third** week Homework for Introduction to CSS class. Posted it online at:<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week3Hw.html |
| Thursday September 6, 2007 | 3.0 | **Finished Third** week Review Questions for Introduction to CSS class. Posted it online at:<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week3Review.html |
| Friday September 7, 2007 | 2.0 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 8: [pages 207 - 215].<br>**Read** CSS Online references at:<br>http://dbaron.org/css/2000/01/dibm |
| Saturday September 8, 2007 | 2.75 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 8: [pages 216 - 238]. |
| Sunday September 9, 2007 | 1.25 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>Chapter 8: [pages 239 - 245]; Chapter 9: [pp 246 - 249]. |
| Monday September 10, 2007 | 2.0 | **Read** and **Documented** Online material of Introduction To CSS class "Lesson and Discussion -Week 4 - Cascade, Font, etc." at **http://www.eclasses.org/** |
| Tuesday September 11, 2007 | 2.75 | **Read** CSS class -Week4 - Online references at:<br>http://www.w3.org/TR/CSS21/cascade.html#cascade<br>http://www.w3.org/TR/REC-CSS2/cascade.html#value-def-inherit<br>http://www.htmldog.com/guides/cssadvanced/specificity<br>http://www.fonttester.com/ |
| Wednesday September 12, 2007 | 4.75 | **Read** CSS class -Week4 - Online references at:<br>http://meyerweb.com/eric/articles/webrev/199903.html<br>http://www.w3.org/TR/CSS21/fonts.html<br>http://www.webreference.com/html/tutorial7/<br>http://net.jasonpearce.com/tools/cssfontsizes.html<br>**Working on Fourth** week Homework for Introduction to CSS class. |

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| Thursday September 13, 2007 | 3.0 | **Finished  Fourth** week Homework for Introduction to CSS class. Posted it online at: http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week4Hw.html **Book:** CSS: The definitive guide, Third edition, by Eric Meyer Chapter 9: [pages 250 - 260]. |
| Friday September 14, 2007 | 1.0 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer Chapter 9: [pages 261 - 273]. |
| Saturday September 15, 2007 | 3.0 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer Chapter 9: [pages 274 - 282]; Chapter 11: [pp 339 - 352]. **Read** Online reference: http://meyerweb.com/eric/css/edge/complexspiral/glassy.html |
| Sunday September 16, 2007 | 2.5 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer Chapter 11: [pages 353 - 369]. |
| Wednesday September 19, 2007 | 3.5 | **Read** and **Documented** Online material of Introduction To CSS class "Lesson and Discussion -Week 5 - background and border properties" at **http://www.eclasses.org/** **Read** CSS class -Week5 - Online references at: http://www.w3schools.com/css/css_units.asp |
| Thursday September 20, 2007 | 0.5 | **Read** CSS class -Week5 - Online references at: **h**ttp://www.w3.org/TR/CSS21/colors.html#background-properties http://www.w3.org/TR/CSS21/box.html#border-properties http://www.w3.org/TR/REC-html40/types.html#h-6.5 http://www.w3.org/TR/CSS21/syndata.html#color-units http://www.westciv.com/style_master/academy/browser_support/ http://www.quirksmode.org/css/contents.html |
| Friday September 21, 2007 | 2.75 | **Working on Fifth** week Homework for Introduction to CSS class. Posted it online at: http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week5Hw.html |
| Saturday September 22, 2007 | 5.0 | **Finished Fifth** week Homework for Introduction to CSS class. Posted it online at: http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week5Hw.html **Read** CSS class -Week5 - Online references at: http://www.w3.org/Style/Examples/007/center |
| Wednesday September 26, 2007 | 2.75 | **Read** and **Documented** Online material of Introduction To CSS class "Lesson and Discussion -Week 6 - Tables and Lists" at **http://www.eclasses.org/** |
| Thursday September 27, 2007 | 2.5 | **Read** CSS class -*Week5* - Online references at: http://bluerobot.com/web/css/center1.html http://css-discuss.incutio.com/?page=CenteringTextVertically http://css-discuss.incutio.com/?page=CenteringBlockElement **Read** CSS class -*Week6* - Online references at: http://css.maxdesign.com.au/listamatic/ http://alistapart.com/articles/taminglists/ http://www.quirksmode.org/css/tables.html http://www.w3.org/TR/CSS21/generate.html#q10 |

http://www.w3.org/TR/CSS21/tables.html#q4

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| Friday September 28, 2007 | 4.75 | **Book:** CSS: The definitive guide, Third edition, by Eric Meyer<br>**Review** - Chapter 11: [pages 339 - 369].<br>Chapter 12: [pages 370 - 378 ].<br>**Read** and **Documented** several online references about CSS Lists.<br>**Working on Sixth** week Homework for Introduction to CSS class. |
| Saturday September 29, 2007 | 5.0 | **Finished Sixth** week Homework for Introduction to CSS class. Posted it online at:<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week6Hw.html |
| Wednesday October 3, 2007 | 5.25 | **Documented** Online material of Introduction To CSS class "Lesson and Discussion - Week 7 - Tables and Lists" at **http://www.eclasses.org/**<br>**Book:** CSS: The definitive guide, Third edition, by Eric Meyer Chapter 6: [pages 128 - 157]. |
| Thursday October 4, 2007 | 4.25 | **Read** Online material of Introduction To CSS class "Lesson and Discussion -Week 7 - Tables and Lists" at **http://www.eclasses.org/**<br>**Book:** CSS: The definitive guide, Third edition, by Eric Meyer **Review** - Chapter 8: [pages 207 - 245].<br>Chapter 10: [pages 283 - 293]. |
| Friday October 5, 2007 | 4.0 | **Finished Seventh** week Homework part **One** for Introduction to CSS class. Posted it online at:<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week7Hw-Part a.html<br>**Book:** CSS: The definitive guide, Third edition, by Eric Meyer Chapter 10: [pages 294 - 316] , [pages 329 - 338]. |
| Saturday October 6, 2007 | 7.25 | **Working on Seventh** week Homework part **Two** for Introduction to CSS class. |
| Sunday October 7, 2007 | 3.25 | **Finished Seventh/Eightth** week Homework part **Two** for Introduction to CSS class. Posted it online at:<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week8Hw.html<br>http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week8Hw.css |
| Monday October 8, 2007 | 4.25 | **Finished Week 7 Review** Homework, for 2 students, for Introduction to CSS class and posted the 2 reviews online.<br>**Documented** Online material of Introduction To CSS class "Lesson and Discussion - Week 8 - media-specific styles" at **http://www.eclasses.org/** |
| Tuesday October 9, 2007 | 1.75 | **Finished Week 7 Review** Homework, for 2 students, for Introduction to CSS class and posted the 2 reviews online.<br>**Read** CSS class - *Week7* - Online references at:<br>http://www.w3.org/TR/CSS21/visuren.html |

http://www.w3.org/TR/CSS21/box.html#mpb-examples
http://www.brainjar.com/css/positioning/default.asp
http://www.echoecho.com/csslayers.htm
http://www.maxdesign.com.au/presentation/page_layouts/
http://www.thenoodleincident.com/tutorials/box_lesson/boxes.html
http://www.positioniseverything.net/
**Read** CSS class - *Week8* - Online references at:
http://www.w3.org/TR/PR-CSS2/media.html
http://www.w3.org/TR/PR-CSS2/aural.html
http://www.digitalweb.com/articles/css_styling_for_print_and_other_media
http://www.webmonkey.com/webmonkey/authoring/stylesheets/tutorials/tutorial1.html

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| Friday October 12,  2007 | 5.75 | **Read** Online material of Introduction To CSS class "Lesson and Discussion - Week 8 - media-specific styles" at **http://www.eclasses.org/** **Finished  Eighth** week Review Questions for Introduction to CSS class. Posted it online at: http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week8Review.html http://mysite.verizon.net/vzep5yt1/IntroCSSHomework/Week8Review_example.html |
| Saturday October 13,  2007 | 1.25 | **Read** CSS class - *Week8* - Online references at: http://www.tufts.edu/webcentral/tutorials/printcss/ http://www.alistapart.com/articles/goingtoprint/ http://www.w3.org/TR/REC-CSS2/cascade.html#at-import |
| Sunday October 14,  2007 Meyer | 3.25 | **Book:** CSS: The definitive guide, Third edition, by Eric Chapter 14: [pages 411 – 438] **End Of Introduction To CSS class.** |

*Total = 142.0 hrs*

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*End Of Introduction To CSS*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***
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