Division: Computer Science & Information Technology
Course name: CS 957 Introduction to Web Development using HTML5 & CSS
Section: 3726 **/ Semester** Fall 2013

Instructor Name: Michael Stamper, MIM   **School Website: www.wlac.edu/csit**
Class Hours: Wednesdays 6:45 – 10:00 p.m. **Location: CE 103**
Office Hours: Wednesdays 6:00 – 6:45 p.m.   **Instructor E-mail: stampem@wlac.edu**

Welcome

This course introduces students to building dynamic and interactive web pages using modern web programming Welcome to CS 957 Introduction to Web Development using HTML and CSS. This course is the second course in a series for website development and e-commerce. Students are expected to have completed the WLAC Introduction to Web Design Course using Dreamweaver CS952 or have equivalent experience with Dreamweaver (or similar WYSIWYG editor) and basic web site development concepts.

This semester, you will work to develop your skills in creating web pages and websites using HTML5 (Hypertext Markup Language) and CSS3 (Cascading Style Sheets). You will also learn and practice the fundamentals of good web development including quality content, integration with social media, optimization for search engines, and applying CSS across different web browsers. The goal is for you to understand the basics of HTML5 and CSS5 to lay a foundation for web development in the modern world.

Course Description

This course introduces students to building dynamic and interactive web pages using modern web programming languages including HTML5 and CSS (Cascading Style Sheets). This course features hands-on assignments and projects, a step-by-step methodology, as well as additional exercises. **It is a technical course and not an art course.**

Required Texts

1. **HTML5 and CSS3, Illustrated Complete** - ISBN-13: 9781111527983 ISBN-10: 1111527989
    Book Info: http://www.cengagebrain.com/shop/ISBN/9781111527983
    WLAC Bookstore: http://onlinestore.wlac.edu/buy_book_detail.asp?pf_id=10344972
    Amazon: http://www.amazon.com/HTML5-CSS3-Illustrated-Complete-Series/dp/1111527989/
    (Note that purchases from online vendors may take 3 or more weeks to arrive)

Required Software

This course will use a variety of software to create and maintain HTML documents. In addition, Microsoft Word, PDF, and Zip files will be used. All students are expected to use the following software or equivalent.
- A Text Editor such as **Notepad** (free with Windows) or **TextEdit** (free with Macs)
- Recommended text editor is **Notepad++** (free): http://notepad-plus-plus.org
- FTP software such as **FileZilla** (free): http://filezilla-project.org

In addition, these websites will be used throughout the course:
- **Etudes** (WLAC's Online Learning Management System): http://myetudes.org
  All assignment files related to this course will be available in the Resources section of the Etudes course. All grades for assignments and exams will posted via Etudes.
  - Login Information, Guides, and Videos: http://www.wlac.edu/online/login.asp
  - Technical Requirements: http://tiny.cc/esh9e
- Free **HTML Validation**: http://validator.w3.org
- Free **CSS Validation**: http://jigsaw.w3.org/css-validator
- All students are required to use the **free web host** (currently **wlacwebs.com**) provided to submit assignments to receive credit. Step-by-step instructions will be given during the course.

Required Materials

1. **USB Flash Drive (recommended 2GB or larger)**
    Students must use a USB Drive to save ALL homework each week. Lab computers are shared among many students. Files saved on a lab computer may be deleted or edited.

Student Objectives

Upon successful completion of this course, students will be able to

A. Understand and apply the basics of HTML5
B. Understand and apply the basics of CSS (Cascading Style Sheets)
C. Demonstrate an ability to format text with CSS
D. Demonstrate an ability to insert & format links
E. Demonstrate an ability to insert & work with images
F. Demonstrate an ability to organize content with lists & tables
G. Understand and implement page layout with HTML & CSS
H. Understand advanced CSS styling features of HTML5
I. Demonstrate an ability to incorporate video & audio
J. Demonstrate an ability to create a web form
K. Understand and integrate social media optimization for search engines
L. Demonstrate an ability to publish a site using FTP

Institutional Learning Outcomes (ILOs) & SLO

This course will also facilitate the following Institutional Learning Outcomes:

A. Technical Competence: Utilize the appropriate technology effectively for informational, academic, personal, and professional needs. Use competent technique in a musical performance.
B. Critical Thinking: Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.
C. Program Student Learning Outcomes:
   1. Use current and emerging computing technology to enhance business and individual productivities.
   2. Design and develop web page, web site and we application.
   3. Pursue continuing educational opportunities within the emerging field of computer technology.
D. Course Student Learning Outcomes
   1. At the end of the course, the successful student will be able to create an effective website with text, images, and links using HTML5 (Hypertext Markup Language).
   2. At the end of the course, the successful student will be able to implement CSS3 (Cascading Style Sheets) to format content and control page layout on web pages.
   3. At the end of the course, the successful student will be able to publish a website using FTP (File Transfer Protocol) to a live web server.
   4. At the end of the course, the successful student will be able to optimize a web site for search engine effectiveness and social media integration.

Course Requirements and Assignment Guidelines

A. **Assignments and Forum Discussions**
Assignments and Discussions are scored on a 1–10 basis where 10 is the highest score. All assignment scores will be posted in Etudes.
   - Late assignments submitted via Etudes after the due date or published to the web host after the due date will be marked down a maximum of 2 points for each week late.
   - Copying of other students work is strictly prohibited and will result in a 0 grade for both students on the assignment and other disciplinary action as outlined by WLAC.

B. **Examinations and Final Project**
There are two exams given during this course. Instead of a final exam, students are required to complete a final project which demonstrates their ability to apply knowledge and skills in HTML and CSS to create a website of their own choice. **There are no makeup tests or quizzes.**

C. **Attendance and Participation**
Regular participation is important. Students are expected to be prepared to participate in class sessions and assignments. Participation in class includes asking/answering questions, helping other students, and showing respect for other students. Students are expected to be active members of the class.

Grading

Assignment Category	#	Points Per Assignment	Total Points	% of Total Grade
Discussion Forums	**3**	**10**	**30**	**5%**
Assignments	**33**	**10**	**330**	**55%**
Units	*12*	*10*	*120*	-
Review	*10*	*10*	*100*	-
Independent Challenge 2	*8*	*10*	*80*	
Final Project	*3*	*10*	*30*	
Exams	**2**	**30**	**60**	**10%**
Final Project	**1**	**120**	**120**	**20%**
Class Participation	**1**	**60**	**60**	**10%**
Grand Total	**41**	**-**	**600**	**100%**
537 - 600 = **A** **(90 - 100%)**	477 - 536 = **B** **(80 - 89%)**	417 - 476 = **C** **(70 – 79%)**	357 - 416 = **D** **(60 – 69%)**	356 and below = **F** **(below 60%)**

Class Policies

Exclusion and Incomplete Policies

- **Failure to attend the first day of class (August 28) will result in exclusion.**
- Two or more missed class meetings, assignments, or quizzes **before September 6** will result in exclusion unless permitted by the instructor.
- Four missed assignments or failure to submit an exam/final project <u>may</u> result in exclusion or an "F."
- **No incompletes will be given.** This course may be repeated for credit.
- **It is students' responsibility to drop the class. Failure to drop the class in a timely manner may result in a "W" or "F" on your transcript.**

Attendance

- **Class starts at 6:45**.
- When you arrive to class, be prepared to participate until breaks or the end of class. Walking in and out is rude and disruptive. If you need to leave early, students need to notify the instructor in advance. Any student who makes a habit of walking in and out of class may be asked to leave.
- We will take a 10-15 minute break during each class session.
- Up to 3 absences are allowed. After that, you could be dropped. Students are expected to attend every class meeting, to **arrive on time**, and stay throughout the class period. Excessive absenteeism will lower your grade. 3 tardies = 1 absence. Students may be dropped from class for excessive tardiness, or for failure to attend class the first day of the class.

Contacting the Instructor

- Etudes Private Messages are the best and quickest way to contact the instructor.
- E-mail is a second alternative to send messages or questions.
- If you have a problem, do not let it snowball. Contact me immediately.
- Students are to ask questions and obtain help via etudes messages, email and/or during office hours.
- Do not send multiple messages of the same question to the instructor. The instructor will make every effort to respond within 48-72 hours or less on business days.

Class Etiquette

- <u>Always</u> be respectful of other students and the instructor during class and online activities.
- Be supportive of fellow students. Each person learns at different speeds and methods. Help a classmate and someone will probably help you when you need it.
- <u>No food</u> and <u>No drinks except bottles</u> with a secure cap are allowed in the classroom/lab.
- The use of a cell phone or mobile device is prohibited during class.
- Students will be asked to leave if they interrupt class sessions or distract peers or the instructor.
- Personal attacks, profanity, vulgarity, and comments that are not productive to the class setting or online discussions & conversations will not be accepted.

Preparedness

- <u>Students have approximately one week from the first day of class to purchase the textbook</u>.
- Students are expected to review chapters from the textbook **PRIOR** to the related class session
- Students are expected to work from a single computer location throughout the course. Please discuss with the instructor if you have questions or concerns about your assigned computer location.

- Bring an external "flash drive" or "USB drive" to save your work to <u>EVERY CLASS SESSION</u>. Each term students lose class work because they fail to save/backup their assignments/projects. Don't let this happen to you.
- Students are expected to understand File and Folder management on a PC for this course including copy, paste, new folders, folders-within-folders, and how to rename files/folders.
- Students are expected to understand how to create and open/use Zip files. Zip Files are a key part of the sending/receiving files and assignments for this course.
- Don't expect to just learn HTML and CSS by only sitting in class for 3 hours each week. Additional time should be allocated outside of the classroom to understand concepts, complete assignments, practice skills, or work on the final project. Because this is a 3-unit course, <u>students should plan to spend 3-6 hours outside the classroom (or more as needed) to complete course work each week</u>.
- All other college/class rules will be enforced.

College Policies

Academic Integrity (Plagiarism)
In accordance with code 9803.28, **academic dishonesty is prohibited and will not be tolerated in this class.** Violations of academic integrity include, but are not limited to, the following actions: cheating on an exam, plagiarism, working together on an assignment, paper or project when the instructor has specifically stated students should not do so, submitting the same term paper to more than one instructor, or allowing another individual to assume one's identity for the purpose of enhancing one's grade. Academic dishonesty of any type, such as cheating or knowingly furnishing false information, by a student provides grounds for disciplinary action by the instructor or college. In written work, no material may be copied from another without proper quotation marks, footnotes, or appropriate documentation.
   o **Plagiarism will result in a zero for the assignment, possible dismissal from the class and disciplinary action from the college.**

Student Conduct
According to code 9803.15, disruption of classes or college activities is prohibited and will not be tolerated. Refer to the catalog and the Standards of Student Conduct in the Schedule of Classes for more information.

Recording Devices
State law in California prohibits the use of any electronic listening or recording device in a classroom without prior consent of the instructor and college administration. Any student who needs to use electronic aids must secure the consent of the instructor. If the instructor agrees to the request, a notice of consent must be forwarded to the Vice President of Academic Affairs for approval.

Campus Resources

Office of Disabled Student Programs and Services (DSP&S)
Heldman Learning Resources Center (HLRC), Room 119 | (310) 287-4450.
West Los Angeles College recognizes and welcomes its responsibility to provide an equal educational opportunity to all disabled individuals. The Office of Disabled Students Programs and Services (DSP&S) has been established to provide support services for all verified disabled students pursuing a college education. DSP&S students may qualify for: priority registration, registration assistance, special parking permits, sign language interpreters and assistive technology.

Library Services
Heldman Learning Resources Center (HLRC) | (310) 287-4269 & (310) 287-4486
The WLAC Library provides instruction on how to use the online catalog, periodical and research databases. In addition to a large collection of books, periodicals and videos the WLAC Library has course textbooks which students may use while in the Library. Web access is available in LIRL as well as meeting rooms.

Important Dates

Important Dates		Campus Closed Dates	
Last Day to Drop Class (w/o "W")	Sep 6	Labor Day	Sep 2
Last Day to Drop a Class (with "W")	Nov 15	Veteran's Day	Nov 11
		Thanksgiving	Nov 28 - Dec 1

Topic / Assignment Schedule for Fall 2013

Week	Date	Topics	Assignment(s) Due (points)
Week 1	Aug 28	Course Introduction Etudes & Resources Introduction Introduction to HTML and CSS	
Week 2	Sep 4	Unit A: Preparing to Create a Web Site Publishing a site using FTP	** Bring a USB Drive (each week)* Due: Discussion 1 - HTML & CSS (10)
Week 3	Sep 11	Unit B: Getting Started with HTML *Lab Session*	Due: A-Unit (10) Due: A-Review (10)
Week 4	Sep 18	Unit C: Getting Started with CSS *Lab Session*	Due: B-Unit (10) Due: B-Review (10) Due: B-IC2 (10) Due: Final Project Plan (10)
Week 5	Sep 25	Unit D: Formatting Text with CSS *Lab Session*	Due: C-Unit (10) Due: C-Review (10) Due: C-IC2 (10)
Week 6	Oct 2	Unit E: Inserting and Working with Links *Lab Session*	Due: D-Unit (10) Due: D-Review (10) Due: D-IC2 (10)
Week 7	Oct 9	Unit F: Inserting and Working with Images *Lab Session*	Due: E-Unit (10) Due: E-Review (10) Due: E-IC2 (10)
Week 8	Oct 16	Unit G: Organizing Content with List & Tables *Lab Session*	Due: F-Unit (10) Due: F-Review (10) Due: F-IC2 (10)
Week 9	Oct 23	Unit G: Organizing Content with List & Tables Exam #1 (Units A – F) *Lab Session*	Due: Discussion 2 - CSS Tips & Tricks (10) Due: Exam #1 (30) Due: Final Project - 3 Pages (10)
Week 10	Oct 30	Unit H: Page Layout with HTML & CSS *Lab Session*	Due: G-Unit (10) Due: G-Review (10) Due: G-IC2 (10)
Week 11	Nov 6	Unit I: Applying Advanced CSS Styling *Lab Session*	Due: H-Unit (10) Due: H-Review (10) Due: H-IC2 (10)
Week 12	Nov 13	Unit J: Creating Web Forms *Lab Session*	Due: Discussion 3 - jQuery & AJAX (10) Due: I-Unit (10) Due: I-Review (10)
Week 13	Nov 20	Unit K: Incorporating Video & Audio *Lab Session*	Due: I-IC2 (10) Due: J-Unit (10) Due: Final Project - 6 Pages (10)
Week 14	Nov 27	Unit M: Integrating Social Media Unit N: Optimizing for Search Engines *Lab Session*	Due: K-Unit (10) Due: K-Review (10) Extra Credit 1: L-Unit (10)
Week 15	Dec 4	Exam #2 (Unit G – N) *Lab Session*	Due: N-Unit (10) Due: Exam #2 (30)
Week 16	Dec 11	Final Project Due	Due: Final Project (120) Extra Credit 2: O-Unit (10)