

# **IIST 361: Web Development**

**Summer 2012, 6W1**

**MTTH: 6:00-8:30**

**Room: AS0013**

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Office Hours: By Appointment, LI86

## **Course Overview:**

IST 361, Web Development, is a broad course that will cover the HTML and CSS skills necessary to produce an aesthetically appealing valid webpage. To ensure the use of proper syntax, the course will focus on XHTML. It will be a challenge to everyone, regardless of prior HTML experience (if any). The course is cumulative in nature, producing pieces of the complete picture each week. This is an interactive course in which students will be a large part of the learning environment. Lectures and instructor-led demonstrations will be kept to a minimum. By the end of this course, each student will be able to produce a dynamic website that incorporates multiple features which is above and beyond their current capabilities.

## **Course Objectives:**

By the end of the semester, students will:

1. Understand how to create a dynamic webpage using (X)HTML
2. Validate that the rules of (X)HTML are followed within their own work
3. Analyze the aesthetics of web page design
4. Properly upload (X)HTML documents to the world wide web
5. Apply uniform practices throughout webpages by applying CSS
6. Have a basic understanding of creating and editing graphics with Adobe Photoshop
7. Apply JavaScript on their own webpages
8. Present an original website
9. Contribute to a collaborative work environment
10. Be an asset in a team project

## Course Policies:

**Academic Integrity:** Plagiarism is when one presents work as their own when it is in fact the work of another. In other words, plagiarism occurs if one uses someone else's work and does not give the originator proper acknowledgement. This is applicable to a wide variety of material, including information, images, and code gathered from the internet. Plagiarized material will not be accepted and the appropriate University authorities may be made aware of any evidence of plagiarism. Although collaboration to discuss the assignments is encouraged, the individual assignments must be completed individually. Self-plagiarism, or when you submit the same work for more than one grade without prior consent from the instructor, is also not acceptable. For more information and additional standards of academic integrity, please refer to:  
[http://www.albany.edu/undergraduate\\_bulletin/regulations.html](http://www.albany.edu/undergraduate_bulletin/regulations.html)

**Attendance:** Due to the interactive nature of the course, class attendance is mandatory. Students are expected to attend every class session and arrive on time. Participation is a large portion of your final grade, and if you are not in class, you will not be able to participate and therefore will receive a reduction in your final grade. In addition, if you miss a class it is your responsibility to learn the material covered on your own.

**Disabilities:** If you have a disability and require special accommodations for the disability, please let me know by providing documentation as soon as possible so we can make appropriate arrangements.

**Homework and readings:** For every one hour spent in a classroom, students should expect three hours of work outside of the classroom. Since this class meets for 7.5 hours each week, students should expect to spend approximately 22.5 hours outside of the classroom doing work relevant to the course.

**Late submissions:** Late assignments and projects will have an automatic 10% deduction for each day that they are late. If there is a legitimate reason for submitting an assignment late, the instructor should be notified at the earliest time of the issue and a decision will be made on a case-by-case basis if the penalty will be reduced.

**Responsible use of IT:** Students are expected to have read, understand, and adhere to all of the Information Technology policies set forth by SUNY Albany including the "Responsible Use of Information Technology Policy" and the "Web and Network Policies" which are available online at: [http://www.albany.edu/its/its\\_policies.htm](http://www.albany.edu/its/its_policies.htm).

## Readings:

Readings will be given throughout the semester. All students are expected to complete the assigned readings prior to class so that they can properly participate in discussions.

There is no assigned text book. Most information regarding (X)HTML is available on the web. In fact, most people have had the similar problems or tried to accomplish tasks

similar to the ones you will be doing throughout the semester and have posted the answers to the problem online.

*Optional:* If you prefer to have a book as a predominant source of information instead of searching the web for answers, most of the course material follows closely to:

Cottrell, Lee. *HTML & XHTML Demystified*. New York: McGraw-Hill, 2011. Print. ISBN: 978-0-07-174804-9

## **Technologies:**

A USB Flash Drive (Thumb Drive) is required for this class to save work to. Although the University has all necessary software, if you choose to work on assignments from home you will need to download FileZilla Client (available at: <http://filezilla-project.org/>) and a text editor program. Notepad++ is the recommended text editor, but any one will work that allows you to save as an HTML file. Other technologies can be accessed through the University's Virtual Commons.

## **Grading and evaluation:**

A = 94-100%  
A- = 90-93%  
B+ = 87-89%  
B = 84-86%  
B- = 80-83%  
C+ = 77-79%  
C = 74-76%  
C- = 70-73%  
D+ = 67-69%  
D = 64-66%  
D- = 60-63%  
E = Less than 60%

**Assignments (7, each worth 5%):** Each assignment will progressively get more difficult and also incorporate concepts from previous assignments. You will be graded on the cleanliness and validation of your code, how aesthetically appealing the product is, and how well it is conveyed that you understand the concepts of the assignment.

**Final Individual Project/Presentation (30%):** The final project will consist of producing a personal or professional dynamic website on a topic of your choice that is appropriate for a classroom setting. It should incorporate a variety of concepts learned throughout the course. A topic proposal for the final individual project should be submitted in the form of an abstract, diagram, etc. that clearly outlines what your final website will consist of (what you picture your website to be) no later than June 14. A 5% deduction from your final project grade will be administered for each day that the

proposal is late. Presentations will be graded based on the clarity in which you convey your website to the audience and how well that message was conveyed.

**Final Group Project/Presentation (20%):** The final project will consist of everyone in your group contributing to the production of a professional website for a hypothetical company that your team owns. It should incorporate a variety of concepts learned throughout the course, but does not need to incorporate any dynamic aspects. The proposal for the final group project should be submitted in the form of an abstract, diagram, etc. that clearly outlines what your final webpage will consist of no later than June 11. A 5% deduction from your final project grade will be administered for each day that the proposal is late. Every member in the group should present. The grading distribution for this project within the group will take into consideration the results from a peer assessment form that you will fill out about your group members.

**Participation (10%):** Participation includes, but is not limited to: being a good listener, helping others out, being a good team member, and contributing to class discussions. In order to properly do this, students should keep up with course work. If you are not present or are late for a class, then you cannot fully participate and your grade will be lowered. If a class must be missed or if you cannot arrive on time for a class, the instructor should be notified at the earliest time of the issue and a decision will be made on a case-by-case basis if the absence/tardiness will be excused.

**Mini Quizzes (5%):** There will be various quizzes given at random. They will be given at the beginning of class and you will have 10 minutes to complete each one. If you are late to class on the day of a quiz, you will still need to turn it in at the same time as everyone else and will not be given the chance to make it up if you come in after the quiz is turned in. No make-up quizzes will be allowed for anyone who misses class the day of a quiz.