INF 201: Introduction to Web Technologies (3 credits)
TTH 11:45AM - 1:05PM
Spring 2013

Instructor: Tianchi Zhang (Daniel)
Office location: L1-85
Office hours: Thursday 3:00PM – 5:00PM
E-mail: ztc.sky@gmail.com

Course Information

Course description:
A technique-oriented introduction to client-based Web design and development technologies, including HTML/XHTML, CSS, JavaScript, digital imaging, file formats, etc.; also the elements of UNIX and networks necessary to understand and implement basic information management and transfer. Prerequisite(s): I INF 100X; not open to students who are taking or have completed I IST 361.
http://www.albany.edu/undergraduate_bulletin/i_inf.html

Course Goals
By the end of the semester, you should be able to
- understand and implement basic information management and transfer techniques
- use current client-based Web tools to develop web pages
- understand basic networking concepts
- validate web pages to current standards
- use the University at Albany UNIX server to host a website
- understand and use basic design principles

Text Book (Not Required)
Beginning HTML, XHTML, CSS, and JavaScript [Paperback]
An indispensable introductory guide to creating web pages using the most up-to-date standards
Author: Jon Duckett

HTML and CSS: Design and Build Websites [Paperback]
Author: Jon Duckett

References
http://www.w3schools.com/html/
http://www.w3schools.com/css/
http://www.w3schools.com/js/
Additional Materials
UAlbany Unix Server
S-drive
FileZilla
Dreamweaver
Putty

A More Detailed Description
INF 201, Web Technologies, is a broad course that will cover the HTML, CSS, and JavaScript skills that are necessary to produce an aesthetically appealing valid webpage. To ensure the use of proper syntax, the course will focus on the protocols of XHTML. The course is cumulative in nature, producing pieces of the complete picture each week. By the end of the course, all of the pieces will creatively be put together to complete a large and complex project. Team-Based Learning will be a large part of the learning environment. Lectures and instructor-led demonstrations will be kept to a minimum and almost all class time will be devoted to hands on team or individual activities. By the end of this course, each student will be able to produce a dynamic website that will be on the World Wide Web, utilize search engines to independently solve problems, and develop a better understanding of how to approach a problem from a creative thought perspective by applying broad knowledge across a variety of specific problems. The problems presented in this course may not have only one correct answer and therefore being successful in this course is not solely dependent upon your ability to memorize facts, but also your ability to apply information to issues at hand.

Team-Based Learning
Part of this course uses a Team-Based Learning (TBL) approach. On Jan 29th, you will be assigned to a team that will work together throughout the semester. Individual course grades will be influenced by team performance on team-based labs and group tests. While in many courses, group work can be structured unfairly such that some students end up doing all the work while everyone shares in the credit, two factors will prevent that from happening in this class. First, the peer evaluation of the team members will be required for each team assignments or test. Individual should submit an evaluation letter to the instructors about the team work. At least, the following messages should be included in this letter, how many times team members meet for this assignment, when and where team members meet, what you do in this project and what the others do, what you learn from other team members or from this assignments. Please provide the information as detailed as you can because it will influence your individual grade for this assignment. Second, there are certain percentage of work will be individual work, by which you could illustrate your learning in this class.

Course Work
Lab (40%): there will be at least one lab every week. The labs are due by Sunday midnight of that week and you must submit URL via BLS. The grade of the lab is affected by your attendance of that week. If you miss a class in a week, you may not be able to finish the lab. Late submission is accepted in the next 2 days of the due date (always following Tuesday midnight) but you will get half of the points. The lab percentage will be more than 40%, so if you fail to submit one or two labs, it should not influence your grade.

Exams (30%): TBL Midterm Exam (15%). Final exam (15%) will be determined after midterm exam.
**Final project (30%)**: This project is due the end of the semester and consists of the design and construction of a website and presenting it to the class. The detailed instruction and grading criteria will be provided in March.

**Important!! Two exams and Final Project are mandatory parts of this class. If you don’t take the midterm or final, or you don’t submit the final project, your grade will be “E”**

**Course Policies**

**Attendance**
Your in-class performance is key to your success in this course. Attendance, itself, is not graded. Instead, graded in-class activities and assignments constitute an important part of the course grade. It is not possible to maintain a passing average without consistent attendance. Because of the nature of the assignments, no make-up opportunities will be available.

**Late homework**
Completed homework is due on the due date at the specified time, in class or submitted through Blackboard, depending on the assignment. Late submissions will be accepted in the following 2 days of the due date but you will get half of the points. In-class assignments may be done only on the days they are scheduled.

**Extra Credit**
There may be extra credit work. You can also earn extra credit by participating in some CCI events.

**Withdrawal from the course**
The drop date for the Spring 2012 semester is **Feburay 5th** without **W** and **April 9th** with **W** for undergraduate students. **April 9th is the last date you can drop a course and receive a ‘W’**. It is your responsibility to take action by this date if you wish to drop the course. In particular, grades of "incomplete" will not be awarded to students because they missed the drop deadline.

**Incompletes**
As per the Undergraduate Bulletin, the grade of Incomplete (I) will be given "only when the student has nearly completed the course requirements but because of circumstances beyond the student's control the work is not completed." A student granted an incomplete will make an agreement specifying what material must be made up, and a date for its completion. The incomplete will be converted to a normal grade on the agreed upon completion date based upon whatever material is submitted by that time.

**Academic Integrity**
*It is every student’s responsibility to become familiar with the standards of academic integrity at the University. Claims of ignorance, of unintentional error, or of academic or personal pressures are not sufficient reasons for violations of academic integrity.* See [http://www.albany.edu/undergraduate_bulletin/regulations.html](http://www.albany.edu/undergraduate_bulletin/regulations.html)

Course work and examinations are considered individual exercises. Copying the work of others is a violation of university rules on academic integrity. Individual course work is also key to your being prepared and performing well on tests and exams. Forming study groups and discussing assignments and techniques in general terms is encouraged, but the final work must be your own work. For example, two
or more people may not create an assignment together and submit it for credit. If you have specific questions about this or any other policy, please ask.

The following is a list of the types of behaviors that are defined as examples of academic dishonesty and are therefore unacceptable. Attempts to commit such acts also fall under the term academic dishonesty and are subject to penalty. No set of guidelines can, of course, define all possible types or degrees of academic dishonesty; thus, the following descriptions should be understood as examples of infractions rather than an exhaustive list.

- Plagiarism
- Allowing other students to see or copy your assignments or exams
- Examining or copying another student’s assignments or exams
- Lying to the professor about issues of academic integrity
- Submitting the same work for multiple assignments/classes without prior consent from the instructor(s)
- Getting answers or help from people, or other sources (e.g. research papers, web sites) without acknowledging them.
- Forgery
- Sabotage
- Unauthorized Collaboration (just check first!)
- Falsification
- Bribery
- Theft, Damage, or Misuse of Library or Computer Resources

Any incident of academic dishonesty in this course, no matter how "minor" will result in
1. No credit for the affected assignment.
2. A written report will be sent to the appropriate University authorities (e.g. the Dean of Undergraduate Studies)
3. One of -
   o A final mark reduction by at least one-half letter grade (e.g. B → B-, C- → D+),
   o A Failing mark (E) in the course, and referral of the matter to the University Judicial System for disposition.

Policies from Undergraduate Bulletin: http://www.albany.edu/undergraduate_bulletin/regulations.html

Attention: If you use any image, code, video or any resources from the Internet, please make sure you have the authorization. If you want to use an image from flickr.com, you should refer to their copyright regulation by http://www.flickr.com/creativecommons/. If you get the image by Google.com, pay attention to the copyright. If it indicates “all rights are reserved”, please do not use it.

Available Support Services

Reasonable accommodation
Reasonable accommodation will be provided for students with documented physical, sensory, cognitive, learning and psychiatric disorders. If you believe you have a disability requiring accommodation in this class, please notify the Director of Disability Resource Center (Campus Center 137, 442-5490). That office will provide the course instructor with verification of your disability, and will recommend appropriate accommodations. In general, it is the student's responsibility to contact the instructor at least one week before the relevant assignment to make arrangements.
CCI Student Center
The College of Computing and Information Student Center (LI-84) offers tutoring, career development, social events and academic advising. Please stop by or email at ccistudentcenter@gmail.com. Visit the CCI Facebook page for more details and upcoming events: http://www.facebook.com/CollegeofComputingandInformation#

Course Outline and Schedule
The following schedule of lecture topics and reading assignments is preliminary and may be changed as the semester progresses. The final schedule and specific homework and lab assignments and materials will be provided in Blackboard. Students are expected to have read the listed material before it is covered in class.

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1/29</td>
<td>Introduction: first web page creation;</td>
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<tr>
<td>1/30</td>
<td>HTML: Text formatting, Hyperlinks</td>
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<tr>
<td>2/5</td>
<td>HTML: Heading CSS: Inline</td>
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<tr>
<td>2/7</td>
<td>HTML: Insert Image CSS: Font-Family</td>
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<td>2/12</td>
<td>CSS: Internal Style Lab 5--- first TBL Lab</td>
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<tr>
<td>2/14</td>
<td>CSS: External Style HTML: List</td>
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<td>2/19</td>
<td>HTML: Tables CSS: Padding</td>
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<tr>
<td>2/21</td>
<td>HTML: Forms Input CGI</td>
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<td>2/26</td>
<td>CSS: float HTML: div</td>
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<td>2/28</td>
<td>Layout of website Final project Topic</td>
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<tr>
<td>3/5</td>
<td>CSS Box Model</td>
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<td>3/7</td>
<td>Image Map</td>
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<td>3/12</td>
<td>Multimedia File Insert Multimedia</td>
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<td>3/14</td>
<td>Midterm</td>
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<tr>
<td>3/26</td>
<td>JavaScript Introduction</td>
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<td>4/2</td>
<td>JS: Event</td>
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<td>4/9</td>
<td>JS: Browser</td>
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<td>4/15</td>
<td>JS: Third Party Library</td>
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<td>4/22</td>
<td>JS: Popup Box</td>
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<td>4/30</td>
<td>JS: Flow</td>
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<tr>
<td>5/7</td>
<td>Final Project Presentation</td>
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<tr>
<td>5/16</td>
<td>Final Exam</td>
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</tbody>
</table>
Grading
92 – 100% A
87– 91% A-
83 – 86% B+
78 – 82% B
74 – 77% B-
70 – 73% C+
66 – 69% C
62 – 65% C-
58 – 61% D+
55 – 57% D
50 – 54% D-
0 – 49% E

Notes:

[1] Please use this website to validate your xhtml labs and tests.
http://validator.w3.org/

[2] Setting up public_html in your S drive

Open Terminal then type:
– ssh itsunix.albany.edu
– type yes to continue
– enter password
– startweb
  (maybe press enter)
– Setweb
– exit