# INF 201: Introduction to Web Technologies (3 credits)

TTH/11:45-1:05/ LC 13
Fall 2012, Class 9386

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## Course Information

**Course description from *Undergraduate Bulletin*:**
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

### A More Detailed Description
INF 201, Web Technologies, is a broad course that will cover the HTML, CSS, and JavaScript skills necessary to produce an aesthetically appealing valid webpage. To ensure the use of proper syntax, the course will focus on XHTML. 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 and much of the class time will be devoted to hands on labs. By the end of this course, each student will be able to produce a dynamic website that will be on the World Wide Web.

### Prerequisites
IINF 100X
Not open to students who are taking or have completed I IST 361.

**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

**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 HTML course material follows closely to:

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

**Additional Materials**

A USB Flash Drive (Thumb Drive)
FileZilla Client (available at: http://filezilla-project.org/)
A text editor program
Other technologies can be accessed through the University's Virtual Commons.

# Course Policies

**Attendance**

*Attendance is mandatory in every class and students are expected to arrive on time*. 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. Missing class means the student earns an automatic zero for the activities or assignments missed. Because of the nature of the assignments, no make-up opportunities will be available. If you miss a class it is your responsibility to learn the material covered on your own.

**Tardiness**

Missing an assignment or activity that happened before a student arrives or after a student leaves also earns a zero. No make-up opportunities will be available.

If you know that it will be difficult for you to consistently get to class on time and stay for the entire period, you should take this course at a time that better fits your schedule. Being late frequently will guarantee a low grade for the course.

**Make-up Policy**
There are generally no make-up opportunities for missed assignments except in extenuating circumstances. Instead of asking to make up missed work, please see the course 'safety valves' described below.

Since there will be occasions in your life when missing a class meeting is simply unavoidable, this course has a no-fault safety valve.

*Safety valve 1*
You may miss two classes and it's associated in-class assignment grade(s). So, if you must miss class for any reason, it will be possible to drop the zero you would automatically receive for missing the assignment. Be careful not to waste your drop on frivolous things early in the semester, since you may need it if you catch a cold or need to leave town for a day later in the semester. If you do not use your safety valve for missed classes, you will be able to use your safety valve to improve your grade, by dropping your lowest two scores for in-class assignments.

Plan carefully for classes that you know you will need to miss. Work, religious practice, sports team travel, military duty, club activities, fraternity/sorority obligations, family responsibilities, assignments for other courses, and even brief illnesses, etc—these are your responsibility to manage by using your safety valve. If you need to be out of class for any of these, make sure you have conserved your droppable grade to cover the class you need to miss.

*Safety valve 2*
If you become seriously ill during the semester, or become derailed by unforeseeable life problems, and have to miss so many assignments that it will ruin your grade, schedule a meeting with me in order to make arrangements for you to drop the course to save your grade point average. Don't wait until it's too late to see me when you get in trouble.

**Late Assignments**
Completed assignments are due on the due date at the specified time, in class or submitted through Blackboard, depending on the assignment. Late assignments will be accepted, but at the cost of a full letter grade for missing the first, in-class deadline, and an additional letter grade for each additional 24 hours late up to 5 days late, at which point the grade will automatically be assigned 0. In-class assignments may be done only on the days they are scheduled.

**Extra Credit**
There may be extra credit work. All students will be expected to complete, and be graded on, the same set of assignments. Details to follow. All extra-credit opportunities are capped at no more than 5 points on your overall grade.

**Withdrawal from the course**
The drop date for the Fall 2012 semester is **November 9** for undergraduate students. That 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.

**Cell phones & laptops**
Please make sure your electronic devices are turned off before entering the classroom unless we are doing a class exercise where they are helpful.  Use of phones, tablets, computers, etc. for non-class purposes during class will count against you in your class participation grade. While you may be using computers in class, texting, using Facebook, etc., are not appropriate uses of class time and your instructor-evaluated grade will suffer for it.

**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.
*Important:* Incompletes will not be given to students who have not fulfilled their classwork obligations, and who, at the end of the semester, are looking to avoid failing the course. This is asking for special treatment.

**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

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

**Responsible Use of Information Technology**
Students are required to read the University at Albany Policy for the Responsible Use of Information Technology available at the ITS Web Site:
http://www.albany.edu/its/policies_responsible_use_of_IT.htm

**Time Management**
For every credit hour that a course meets, students should expect to work 3 additional hours outside of class every week (3 x 3= 9). For a three-credit course you should expect to work 9 hours outside of class every week. Manage your time effectively to complete readings, assignments, and projects.

## 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#

**CCI Women in Technology**

CCIWIT is dedicated to supporting, empowering, and building community among women within CCI and encouraging girls and women to pursue undergraduate and graduate studies in fields related to computer science, informatics, and information science.


## 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.

| Week | Topics | What's due? |
|---|---|---|
| Aug 28 | • Introduction;<br>• First web page creation;<br>• HTML: Text formatting, Hyperlinks | • Lab 1 – What makes a good website? - Due Sunday by 11:59pm |
| Sept 4 | • Styles | • Lab 2 – styles - Due by Sunday at 11:59pm |
| Sept 11 | • Lists & Tables<br>• Forms | |
| Sept 18 | • Classes suspended Sept. 18<br>• Layout | • Lab 3 – Divs – Due Sunday at 11:59pm |
| Sept 25 | • Classes suspended Sept. 25<br>• Navigation Bar | |
| Oct 2 | • Image uses, creation, and editing | |
| Oct 9 | • Review 1<br>• HTML wrap up and HTML 5 preview<br>• Project discussion | • Lab 4 – HTML 5 – Due Sunday at 11:59pm |
| Oct 16 | • JavaScript introduction | • Project proposal due Thursday in class |
| Oct 23 | • JavaScript: comparison and logic operator, conditional statement<br>• JavaScript: controlling flow | |
| Oct 30 | • JavaScript: function and popup box<br>• JavaScript: events | • Lab 5 - JavaScript |
| Nov 6 | • JavaScript: DOM<br>• TBD | |
| Nov 13 | • JavaScript: Try…catch<br>• TBD | |
| Nov 20 | • Classes suspended Nov. 22<br>• Review 2<br>• JavaScript wrap up | • Project progress report due Thursday in class |
| Nov 27 | • Q & A<br>• Project work | • (no lab due) |
| Dec 4 | • Presentations | • (no lab due) |
| Dec 11 | • Last Day Dec. 11<br>• Wrap up | • (no lab due)<br>• Final project due Dec 13 at 11:59pm |

*CCI Welcome Back Gathering in Assembly Hall*
Wednesday, August 29, 3:00pm
*From BA to Billionaire (or close to it): Turn your degree into a successful career*
Thursday, November 1, 2012, 3:00pm
More to come

# Grading

**In class Assignments (20%):** there will be an in class assignment almost every day. These assignments will

**Labs (20%):** there will be five labs, each worth 4% and you must submit them via BLS. These are not quick and easy tasks, so plan accordingly.

**Review (20%):** there will be two review quizzes, each worth 10%

**Final project (40%):** This project is due near the end of the semester and consists of the design and construction of a website and presenting it to the class (proposal 5%, progress report 5%, presentation 5%, and final website 25%). The detailed instruction and grading criteria will be provided at the beginning of October.

## A-E graded
93 – 100% A
90 – 92% A-
87 – 89% B+
83 – 86% B
80 – 82% B-
77 – 79% C+
73 – 76% C
70 – 72% C-
67 – 69% D+
63 – 66% D
60 – 62% D-
0 – 59% E