



Professor: Brian Bailey

Address: Perlstein Hall 10 W 33rd St, Room 233, Chicago IL 60616

Telephone: 312.567.6937

Fax: 312.906.5637

Email: bbailey4@iit.edu

Office(s): Main Campus - Perlstein Hall 10 W 33rd St, Room 233

Office Hours: Main Campus: By Appointment

Course Catalog Description: This course will cover the creation of Web pages and sites using HTML, CSS, Javascript and graphical applications. Networked multimedia distribution technologies are also explored. The design of effective Web site including page layout, user interface design, graphic design, content flow and site structure as well as management of Web site resources including intranet management and design considerations are addressed. Students design and create a major Web site with multiple pages and cross-linked structures. **Prerequisites:** [none] **Credit:** 2-2-3 Semester Hours

Course Outcome: Students completing this course will be able to:

- Recognize HTML, CSS and JavaScript mark-up and code in a web page/application.
- Select the proper mark-up tags or code to achieve a particular result.
- Identify improperly used mark-up and code.
- Produce modern standards compliant web pages.
- Deploy web pages to a public server.

Course Objectives: At the conclusion of this course, each successful student will be able to:

- Explain the client and server architecture of the Internet and related web technologies.
- Use a basic text editor and other software tools to create web pages using HTML, CSS, JavaScript, jQuery, and images.
- Deploy web pages to a Linux-based web server using sftp.

Lecture Days, Time & Place: Tuesday 6:25pm to 9:05pm, Perlstein Hall, Room 131, 10 W. 33rd Street on IIT's Main Campus, or online via IIT Online.

Schedule of Topics/Readings: *You should do all readings prior to class.*

Session	Date	Topic	Reading
1	January 13	Introduction / Focus on Underlying Technologies HTTP Request / Response	Chapter 1-3
2	January 20	Technology Continued & Introduction to HTML, CSS, JS (Chapter 21-22 discuss images and may be helpful throughout the course)	Chapter 4 Chapter 21-22
3	January 27	HTML Markup Introductions and Basics	Chapter 5-6
4	February 3	HTML Markup Text & Images	Chapter 7-8
5	February 10	HTML Markup Images & Tables	Chapter 9-10
6	February 17	HTML Markup Forms	Chapter 11
7	February 24	CSS Introductions and Basics	Chapter 12-13
8	March 3	CSS Rules & Properties	Chapter 14-15
9	March 10	CSS Box Model	Chapter 16-17
10	March 17	NO CLASS: Spring Break	
11	March 24	CSS Float, Position, Page Layout	Chapter 18-19
12	March 31	JavaScript Introduction and Language Basics	Chapter 19-20
13	April 7	JavaScript – Google Maps API	Online
14	April 14	jQuery Introductions	Online
15	April 21	JavaScript and jQuery Examples	Online
16	April 28	Reserved for additional topics, catch-up, or project workshop	None
Finals	Week of May 4	Final Examination as per the IIT Final Exam schedule	

Textbook: The textbook for this course is **mandatory**.

Robbins, Jennifer Robbins., *Learning Web Design, 4th Edition*, O'Reilly, 2012;

Title: Learning Web Design, 4th Edition (4th edition is important – not 3rd edition)

By: Jennifer Niederst Robbins



Publisher: O'Reilly
Media Formats: Print, Ebook, Safari Books Online
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Amazon: http://www.amazon.com/Learning-Web-Design-Beginners-JavaScript/dp/1449319270/ref=sr_1_2?ie=UTF8&qid=1344824699&sr=8-2&keywords=learning+web+design

Readings/Videos: Readings for the class will be assigned from the textbook as well as in the form of online reading. Online resources and videos will be linked from or embedded in a Blackboard page. It is essential that you do all readings and/or view the videos before coming to class on the assigned date. These materials are a necessary and integral part of the class and will form the basis for any class discussions on the topic. Specific readings are assigned by topic above. I will also provide video and audio screencast recordings of my computer that may be watched in addition to or instead of the IIT Online videos.

Course Notes: Copies of the course lecture notes in the form of a PDF of the PowerPoint presentation accompanying each lecture will be provided for each student on Blackboard. This should be useful if you must miss a class. You should be aware that note taking is encouraged and should help your understanding of the material.

Course Web Site: <http://blackboard.iit.edu/>

Blackboard: The course will make intensive use of Blackboard (<http://blackboard.iit.edu/>) for communications, assignment submissions, group project coordination, providing online resources and administering examinations. All remote students will view the course lectures online via Blackboard, and online readings will be found on Blackboard.

Guest Lectures: Guest lecturers may be featured as part of course topics. When a guest speaker is expected you should make an extra effort to be seated and ready prior to class time. Guest lectures may be in the evening in which case class will not be held during a scheduled morning period. A question & answer/discussion period will be held at the end of each lecturer's presentation.

Attendance: If you are in a live section of the class and will not be able to attend class, please notify me via email prior to class time. Live section students who miss a class should always watch the lecture online.

Assignments: The only way to learn the concepts presented in this class are to work with them. There will be two main types of assignments for this class. The first are smaller mostly weekly assignments/labs. The number of assignments/labs may vary based on course progress. There will also be a larger web site project that spans the entire course and will be due before finals week.

Discussion Board and Quizzes: Throughout the semester I may post questions or topics in the discussion board area in blackboard. Students are expected to post comments in these discussion boards. I will notify class anytime a topic is opened in the discussion board, but you should check weekly anyway. Discussion board entries may be links to online articles addressing topics applicable to the course, or may be personal reflections or opinions on topics applicable to the course. If you link to an outside resource, please also explain the link. All students are expected to read all of the discussion board entries in a particular topic. Completion of appropriate discussion board entries and reading of the discussion board will be included in your class participation grade.

I may give quizzes at my discretion and may use them for verification that you have completed assigned course readings or have read and participated in the discussion boards. Quizzes may be online via Blackboard. As they are discretionary, the weight of quizzes in grading is also left to my discretion and will be included in your class participation grade. *If I see a regular pattern of comments in these discussion boards, I might not need to give any quizzes in this area.*

Examinations: The mid-term and final examination will consist of an examination measuring course outcomes and topics as discussed above. The mid-term exam will be given around the middle of the semester and the final exam will be given during the university's final exam week. The examination will be given online through blackboard and may consist of true/false, multiple choice, matching, short answer, and essay. Details for the particular exam will be posted in the corresponding blackboard posting.



Extra Credit: In general I do not provide additional extra credit assignments. Occasionally there may be extra credit components of an assignments/labs/project but that is at my discretion and is not guaranteed.

Academic Honesty:

Plagiarism: All work you submit in this course **must be your own**. You must fully attribute **all** material directly quoted in papers and you must document all sources used in the preparation of the paper using complete, APA-style bibliographic entries. Including directly quoted material in an assignment without attribution is always plagiarism and will always be treated as such by me. No more than thirty-three percent of material included in any paper may be direct quotes. If you submit plagiarized material you **WILL** receive a grade of **ZERO** for the assignment, an Academic Honesty Violation Report will be filed, and it may result in your expulsion from the course with a failing grade as per the IIT and ITM academic honesty policies. **There is no excuse for not understanding this policy** and if you do not understand it please let me know and I will be happy to discuss it with you until you do.

Collaboration: Students may only collaborate on assignments or projects that are explicitly designated as group assignments or projects. Students submitting work that is identical or in some cases even substantively the same will be asked to discuss the assignment with me. If one student admits to having copied the work, or if there is clear evidence who is guilty, the guilty student **WILL** be assigned a grade of **ZERO**. If no one admits to the offense or a reasonable determination of guilt cannot be made, each student involved **WILL** be assigned a grade of **ZERO**. In either case, an Academic Honesty Violation Report will be filed, and it may result in your expulsion from the course with a failing grade as per the IIT and ITM academic honesty policies.

Grading: Grading criteria for ITMD 461 students will be as follows:

Points will be deducted for various reasons including non-functioning code, poor mark-up, obsolete elements, invalid markup/code or non-validating markup/code, improper use of JavaScript, obvious copy and paste of old website code, quality of work, and not following methods discussed in class.

Assignments will be given with plenty of time to complete the work requested. **In general, late work is not accepted and work turned in after the due date will receive a grade of 0.** Work that is turned in slightly late (1-2 days) **may be accepted** with a **minimum of a 20% penalty**. There will be **NO EXCEPTIONS**. Please complete your work on time, or early.

See student handbook for grade percentage to letter grade table for undergraduate vs. graduate students. Graduate level students cannot receive a D letter grade for the class.

Assignments will be graded according to the following guidelines. They will be graded on completeness of the requirements and quality of work. In order to receive an "A" you would need to fulfill all the requirements and show a high quality of work that reflects substantial effort. No student should expect an "A" for just satisfying the basic requirements of the assignments.

Grading standards for undergraduate and professional learning students

A Outstanding work reflecting substantial effort	90-100%
B Excellent work reflecting good effort.....	80-89.99%
C Satisfactory work meeting minimum expectations	70-79.99%
D Substandard work not meeting expectations.....	60-69.99%
E Unsatisfactory work	0-59.99%

Grading standards for graduate students

A Outstanding work reflecting substantial effort	90-100%
B Adequate work fully meeting that expected of a graduate student.....	80-89.99%
C Weak but marginally satisfactory work not fully meeting expectations.....	65-79.99%
E Unsatisfactory work	0-64.99%

The final grade for the class will be calculated as follows:

Assignments/Labs.....	25%
Class Project	25%
Mid-term Exam.....	20%
Final Exam	20%
Class Participation including Attendance, Discussion, and Quizzes	10%

Other Class Resources: Online readings and other class resources may be found at on Blackboard.



Our Contract: This syllabus is my contract with you as to what I will deliver and what I expect from you. If I change the syllabus, I will issue a revised version of the syllabus; the latest version will always be available on Blackboard. Revisions to readings and assignments will be communicated via Blackboard.

Disabilities: Reasonable accommodations will be made for students with documented disabilities. In order to receive accommodations, students must obtain a letter of accommodation from the Center for Disability Resources and make an appointment to speak with me as soon as possible. My office hours are listed on the first page of the syllabus. The Center for Disability Resources (CDR) is located in 3424 S. State St., room 1C3-2 (on the first floor), telephone 312.567.5744 or disabilities@iit.edu.