Introductory Computing for the Web

Fall 2017 Quarter

IT-130 Section 103

Class Meeting Times: Tuesdays, 9:40 AM to 11:10 AM

Thursdays, 9:40 AM to 11:10 AM

Instructor: Sal J. Barry

Email: sbarry5@depaul.edu

Cell: 312-320-4378

Website: http://d2l.depaul.edu

Classroom Location: Student Center (STDCT)

2250 N. Sheffield Ave. Room 364

Office & Office Hours:

Tue & Thu - 1:00 – 1:45 PM in STDCT room 364 (our class)

Course Description: An introduction to the Internet, the World Wide Web, and web development for students with a strong interest in technology. Students will create interactive web pages by writing HTML and CSS and by programming in JavaScript. Topics include the origins of the web, the roles and operations of web browsers and web servers, interacting with web applications through forms, and using style sheets to separate document structure and document formatting.

Prerequisites: None.

Grading: The grade breakdown for this class is as follows:

Class Participation**	20%
Homework Assignments	40%
Midterm Test	10%
Final Test	10%
Final Project	20%

** Attendance and participation are expected of all students.

Homework assignments will be given on a regular (weekly to bi-weekly) basis throughout the quarter. Instructions on how to turn in assignments will be provided by your instructor.

Projects are due on their assigned due dates. Late projects drop one full letter grade for each class they are late.

Attendance Policy: You are expected to attend <u>every</u> class this quarter. We will cover a lot of material in this class, and missing a class can set you back.

More than three (3) absences will adversely affect your grade.

If you know you are going to miss a class, contact your instructor as soon as possible so that alternate arrangements can be made (for submitting homework, etc.).

Required Materials:
- USB Thumb Drive (2GB or larger)
- Folder for keeping/organizing handouts
- Notebook
- Pens, pencils

Required Software: You will need a computer or access to one in order to complete the assignments and projects for this class. You will need to download and install two FREE programs for use in this class.

    1. Free HTML editor. We will use Brackets in this class. You can download it here:
        http://brackets.io/
        (Download for Windows or Mac)

    2. Free File Transfer Protocol (FTP) program. We will use Filezilla in this class. You can download it here:
        https://filezilla-project.org/download.php?type=client
        (Be sure to download Filezilla Client -- <u>not</u> Filezilla Server)

    Other FREE software may be recommended during the quarter for use in this class.

Computer Requirements: You will need access to a computer with internet access outside of this class. The College of Computing and Digital Media has several open computer labs in the Student Center in Lincoln Park (classrooms 363 & 364) and in the CDM building (243 S. Wabash Ave., 1st floor and 4th floor).

Textbook: No textbooks are required. Your instructor will issue handouts and/or online reading each week.

Course Management System:
All course materials will be posted to Desire 2 Learn (D2L) Web: http://d2l.depaul.edu

<u>**Homework & Final Project**</u>
During the Quarter, you will be given 8 Homework Assignments and 1 Final Project. You will receive a separate handout for each assignment and project.

<u>**Tests**</u>
During the Quarter, two tests will be given -- one during Midterms, and one during Finals. The dates of these tests are clearly marked on the syllabus schedule.

Collaboration vs. Cheating

The goal of assignments is to practice the concepts taught in class. You are expected to do your own assignments. However, some collaboration with other students is allowed and even encouraged. The following types of collaboration are allowed:

- Discussing strategies for solving a problem
- Explaining why a Web page does not work (de-bugging code)
- Reviewing and testing someone else's Web pages
- Using HTML and JavaScript code provided by the instructor and texts

The following types of collaboration are not allowed:

- Copying someone else's HTML or JavaScript code
- Literally telling someone what code to write
- Using a third-party service to create a website for you (i.e. WordPress)

Engaging in these last three types of collaboration will be considered a violation of the university's policy on academic integrity. Violators will receive a 0 for the corresponding assignment and will be reported as required by the policy.

School policies

Online Instructor Evaluation

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over two weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online at
https://mycti.cti.depaul.edu/mycti

Email

Email is the primary means of communication between faculty and students enrolled in this course outside of class time. Students should be sure their email listed under "demographic information" at CampusConnect is correct.

Academic Integrity Policy

This course will be subject to the academic integrity policy passed by faculty. More information can be found at
http://academicintegrity.depaul.edu/

Plagiarism

The university and school policy on plagiarism can be summarized as follows: Students in this course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

Incomplete

An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the College of Computing and Digital Media. Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.

Resources for Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted eithereither the PLuS Program (for LD, AD/HD) or The Office for Students with Disabilities (for all other disabilities) at:

> Student Center
> LPC, Suite #370
> Phone number: (773)325.167
> Fax: (773)325.3720
> TTY: (773)325.7296

Class Schedule for Fall 2017

Week #	Class #	Date	Lecture / Class Topic
1	1	Thursday, September 7	Intro to the Internet & HTML Creating your first page Saving and viewing pages
2	2	Tuesday, September 12	<!DOCTYPE> Declaration Text Formatting **Assignment 1: Text Formatting**
	3	Thursday, September 14	Hyperlinks Directory Structure FTP
3	4	Tuesday, September 19	Images for the Web Refining and saving images for the web **Assignment 2: Images**
	5	Thursday, September 21	Tables
4	6	Tuesday, September 26	Forms **Assignment 3: Tables & Forms**
	7	Thursday, September 28	Color Typography CSS Overview CSS Text Styling
5	8	Tuesday, October 3	CSS Continued **Assignment 4: CSS Text Styling**
	9	Thursday, October 5	**Midterm Test Today**
6	10	Tuesday, October 10	CSS Static Positioning **Assignment 5: CSS Positioning 1**
	11	Thursday, October 12	****Please bring headphones to class today**** Embedding Audio Embedding Video CSS Embedding Fonts CSS Positioning (continued)

7	**12**	Tuesday, October 17	CSS Relative, Absolute & Fixed Positioning **Assignment 6: CSS Positioning 2**
	13	Thursday, October 19	Introduction to JavaScript JavaScript Variables and Strings
8	**14**	Tuesday, October 24	JavaScript Functions, Events and Event Handlers JavaScript Operators, Math **Assignment 7: JavaScript 1**
	15	Thursday, October 26	JavaScript Conditionals and Counters
9	**16**	Tuesday, October 31	JavaScript Rollovers and Random Events **Assignment 8: JavaScript 2**
	17	Thursday, November 2	**Discuss Final Project** JavaScript DOM Browsers Resolution Navigation
10	**18**	Tuesday, November 7	JavaScript manipulation of CSS properties
	19	Thursday, November 9	Topic: TBA
11	**20**	Tuesday, November 14	Class time to work on projects Review for Final Test
FINAL TEST		Thursday, November 16 8:30 AM to 10:45 AM	***** NOTE SPECIAL CLASS MEETING TIME ***** ***** Final Test today** **Final Project due on Friday, November 24 @ 11:59 PM**

NOTE: During the quarter, you will receive 8 homework assignments and 1 Project.
You will receive instructions for these when they are assigned.

A copy of this syllabus can be found on D2L (http://d2l.depaul.edu)

Changes to Syllabus
This syllabus is subject to change as necessary during the quarter.
If a change occurs, it will be thoroughly addressed during class, posted in D2L and sent via email.

Learning Outcomes for Scientific Inquiry-Elective (SI-Elective) courses
1. Students will be able to apply appropriate concepts, tools, and techniques of scientific inquiry.
2. Students will be able to describe how natural scientific, mathematical, and/or computational methodologies function as mechanisms for inquiry.
3. Students will be able to explain the interaction between the content of their SI-Elective course and other scientific disciplines or the broader society.

Learning Outcomes for Scientific Inquiry-Laboratory (SI-Lab) courses
In the context of natural science content, and building on the understanding of the scientific worldview and the nature and process of science they have developed in the Science as a Way of Knowing (SWK) course:

Students will understand how science serves as a mechanism for inquiry into the natural world through hands-on, experience-based investigation.

a. Students will be able to pose meaningful scientific questions and generate testable scientific hypotheses.
b. Students will be able to plan, design and conduct scientific investigations in a collaborative environment using appropriate tools and techniques to gather relevant data in order to test and revise scientific hypotheses.
c. Students will be able to develop and use scientific models (conceptual, physical, and mathematical) to make predictions and develop explanations of natural phenomena.
d. Students will be able to address variability in the data and recognize and analyze alternative explanations and predictions.
e. Students will be able to communicate scientific procedures, results, and explanations andengage in arguments based on scientific evidence.

Writing Expectations for all Scientific Inquiry courses
Formal writing is essential for communicating ideas and progress in science, mathematics, and computation to experts within the field and to the broader society. Courses within the Scientific Inquiry Domain should include both formal writing (for example lab reports, essays, and written responses to questions) and supplemental elements that are appropriate for the subject of the course such as mathematical equations, computer code, figures and graphs, lab notebooks, or field journals