

Central Connecticut State University Spring, 2001

## CS 110 -- Introduction to Internet Programming and Applications -- 3 Credits

Section 01, Tue, Thur 11:00 AM -- 12:15 PM, Room 210 Maria Sanford Hall

**Instructor:** Dr. Charles W. Neville

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**Course Description:** This is a course in how to use the Internet, but more importantly, how to WRITE Web pages and how to WRITE programs in JavaScript to make those Web pages interactive. The first part of the course will be spent on learning to use the Internet. (If you are already an Internet maven, you will just have to be patient, because not everyone in the course has your knowledge. In fact some will have never used a computer, so the first class or two will be spent on basic computer literacy.) But the overwhelming bulk of the course will be spent on how to write Web pages in HTML, and how to write JavaScript programs to make those Web pages dynamic and interactive.

We will also devote roughly 15 percent of the course to the many social and legal issues involving the Internet.

There will be many problems to work and hand in along the way. At the end of the course, you will be expected to write a Web page using all the things you have learned in the course.

**Required Text:** *Internet and World Wide Web -- How to Program*, by H. M. Deitel, P. J. Deitel and T. R. Nieto, Prentice Hall, 2000, ISBN 0-13-016143-8

The student will need at least five 3.5" HD floppy disks and a number of folders WITH POCKETS, in which to hand in Web pages and JavaScript programs.

**CS 110 Course Web Page:** There is a CS 110 course page immediately off my Web page at the URL listed above. This page includes tutorials, demos, project descriptions, and the course syllabus, as well as a links to other Web resources.

**Prerequisite:** None. In particular, THERE ARE NO COMPUTER PREREQUISITES. The course assumes NO PRIOR KNOWLEDGE of computers.

**Assignments and Exams:** Reading and project assignments are listed below. Hand in the underlined exercises in the project assignments on the day of the next quiz, unless directed to demonstrate your work in class instead. Make-up quizzes and exams are scheduled by appointment only.

Web page and JavaScript project assignments are to be handed in in a folder (the kind you purchase in the bookstore with pockets) with printouts of your source code and a 3.5" HD floppy disk containing your source code (HTML files, image files, and JavaScript files). More important information about the format in which to submit project assignments in is contained on the CS 110 Course Web page mentioned above.

**Final Web Page Project:** There will be a Final Web Page Project, where you will use all of the things you have learned in this course. The Final Web Page Project will be described on the course Web page.

**NT Accounts:** All students are REQUIRED to obtain a CCSU NT account so they can use the University Microcomputer Laboratory.

**Grading:** Your final grade will be based on computer projects (1/3), in-class exams (1/3), and the final exam (1/3), and will be affected by classroom participation, conduct and attendance. The exams will include questions from the textbook and lab assignments on the computer. The numerical grades for the exams will be averaged and then

converted to a letter grade.

**Attendance:** Two unexcused absence are allowed, and any work missed must be made up. The student should notify the instructor concerning absences, or there will be a grade penalty.

**Student Conduct.** It is expected that all students will conduct themselves in a respectful manner, and will assist in maintaining an atmosphere conducive to learning in the classroom.

**Honesty Policy.** It is expected that all students will conduct themselves in an honorable and honest manner. It is alright to give and receive help on projects, but no student may claim another's work as his or her own, and no student may have another student's program in his or her possession. Students may use code from published sources, but if a student uses code from a source other than class or the text, the student should provide a reference in comments.

**Office Hours:** MW 2:00 - 2:50 PM, Tue--Thur 10:00 -- 10:50 AM and 4:30 -- 5:00 PM, or by appointment, especially before and after class. Feel free to stay for help, and feel free to stay to chat. My office is in room 205 Maria Sanford Hall. In an emergency call me at 832-2719 (work). My Web page URL (Web address) is <http://www.cs.ccsu.edu/~neville/>. (No period at the end of the URL.) My email address is [neville@ccsu.edu](mailto:neville@ccsu.edu). (Again, no period at the end of the URL.)

## **Week No.            Reading and Project Assignments**

1. 1/23      Chapter 1. Do all self review exercises. Project1, exercises 1.4, 1.5, 1.6, 1.7. These are pencil and paper exercises. Hand them in neatly written on paper.
2. 1/30      Chapter 2. Do all self review exercises. Project 2, exercises 2.4, 2.5, 2.6, 2.8 (2.6 and 2.8 if possible).
3. **2/6\*\***    **Quiz 1** (chapters 1 and 2).  
HTML Handout.
4. 2/13      Chapter 3. Do all self review exercises. Project 3, exercises 3.4, 3.5, 3.6, 3.7, 3.8, 3.9. These are Web page exercises. Display the underlined exercises in class.
5. 2/20      Chapter 4. Do all self review exercises. Project 4, exercises 4.5, 4.6, 4.7. Hand in 4.5 neatly written on paper. Display 4.6 and 4.7 in class.
6. **2/27\*\***    **Quiz 2** (HTML Handout and Chapters3 and 4).  
Chapter 5. Do all self review exercises. Project 5, exercises 5.3, 5.4, 5.5, 5.6. Display the underlined exercises in Web pages in class.
7. 3/6        Chapter 8. Do all self review exercises. Project 6, exercises 8.8, 8.9, 8.10, 8.11, 8.13, 8.14, 8.15, 8.16, 8.19, 8.20, 8.31. Hand in the underlined exercises as a programming project in a folder (see above).
8. 3/13      Chapter 8 continued.  
**3.15\*\***    **Quiz 3** (Chapter 8).  
3/17 to 3/25 Spring Recess, No Classes!
9. 3/27      Chapter 9. Do all self review exercises. Project 7, exercises 9.9, 9.11, 9.12, 9.16, 9.19, 9.21, 9.23, 9.32.  
Hand in the underlined exercises as a programming project in a folder.
10. 4/3        Chapter 9 continued.
11. **4/10\*\***    **Quiz 4** (Chapter 9).  
Chapter 10. Do all self review exercises.
12. 4/17      Chapter 10 continued  
Chapter 11. Do all self review exercises. Project 8, exercises 11.14, 11.21, 11.28. Hand in the underlined exercises as a programming project in a folder
13. 4/24      Chapter 11 continued.
14. 5/1        Chapter 11 continued.  
**5/3\*\***    **Quiz 5** (Chapters 10 and 11).
15. **5/8**      **Final Web Page Project Due.**  
Review.  
5/10 -- 5/11    Reading Days, No Classes!

16. 5/14 Exam Week, No Classes!  
5/17\*\* **Final Exam 11:00 AM to 1:00 PM** (comprehensive).

**Have a Good Summer!**