Central Connecticut State University
CS 110: Introduction to Internet Programming
Fall 2014

Instructor: Dr. Chad Williams, Professor of Computer Science

Office: MS 303 **Phone:** 860-832-2719

Office hours: M 1:40-2:30; W 1:40-2:30, 5:00-5:50; TR 1:00-2:30; and by appointment.

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Course website: Blackboard Learn

Class: Section 1 - TR 1:40-2:55 in MS 210

Section 3 - TR 10:50-12:05 in MS 310

Reference material:

- **The textbook is NOT recommended for most**, however if you want a paper reference for the HTML portion that covers about 40% of the course there is Woods and Dorin, *HTML, XHTML, and CSS Comprehensive*, Sixth edition, CENGAGE Learning.
- Excellent technical reference material can be found at w3schools.com
- Blackboard will contain lecture materials and will be used to turn in all assignments

Course description: Examination of history of world wide web, physical infrastructure, and internet protocols. Techniques will be taught for developing web pages and creating interactive content using Javascript.

Course Attributes: 3.0 credit hours; Mathematics Requirement - SK2

Course objectives: Having completed this course successfully, the student should:

- Be familiar with the main uses of the Internet as the primary modern technology for online communication;
- Be able to use the basic features of web browsers, such as Internet Explorer and Firefox;
- Be able to use such Internet tools as email, ftp, and search engines;
- Understand the implications of the Internet on society, primarily in the aspects of communication, commerce, crime, ethics, and privacy;
- Be able to create simple web pages using HTML and CSS;
- Be able to write simple programs using JavaScript;
- Understand the generic principles of computer programming as applied to implementing basic web-based applications;
- Use the knowledge both of algorithmic functions and of computer programming in web-based application settings.

Grading for the course:

Percentage of grade:	
Participation and quizzes	10%
Assignments	40%

Midterm exam	25%
Final exam	25%

My basic philosophy is that participation, quizzes, and assignments are your chance to understand the concepts and how to do the problems; exams evaluate whether you have understood the material and learned from your mistakes. As such, a major portion of your grade between class participation, quizzes and assignments will be assessed based on the effort you put into these aspects beyond just reaching a correct solution. Thus for class participation, I don't just mean showing up. I expect more from you and I have described what I mean in detail below.

Letter grade will be calculated according to the following table:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
95-100	90-94	87-89	84-86	80-83	77-79	74-76	70-73	67-69	64-66	60-63	0-59

Class participation and quizzes: It is essential that you commit yourself to regular studying to keep pace with the course and deadlines. Quizzes will be given roughly every lecture so be sure you are keeping up with the lectures in your studying. Unless excused, quizzes may not be made up if you are absent. If you are having difficulty with any aspect of this class, please talk to me in a timely manner. I will do my best to help you. More options will be available to us if you approach me as soon as possible. Also we will do a significant amount of in class work that you will turn in at the end of class. This is both to show me that you are participating as well as show me what areas might need additional instruction.

I know you are very bright otherwise you wouldn't be here, and I value your ideas and contributions in making this class better. I believe your active participation makes the class a better learning experience for all. I do not expect you to know all of the answers. **Thoughtful** participation regardless of correctness will be rewarded. A detailed explanation that applies both to lectures as well as in-class work can be found at http://www.cs.ccsu.edu/~williams/classes/WhatDoesClassParticipationMean.pdf.

Assignment guidelines: There will be weekly labs which students will work **individually** on hands on problems of the material covered in lectures and in readings. Labs will be turned in electronically using Blackboard Learn. Each lab is due Monday night at 11:59pm unless otherwise instructed. Unless arrangements have been made ahead of time late assignments will be penalized 10% per day. ***No submissions will be accepted after the final.***

You should begin each assignment as it is handed out. By starting assignments early, you have the opportunity to ask me to clarify those things you do not understand.

Exams: The last grading component is exams, which there will be 1 midterm and a final exam. These will focus on whether you have understood the material and learned from your mistakes. The midterm will be Thursday, October 23rd. The final will be at the university's scheduled time, Thursday, December 11th (Sec 1: 2-4pm, Sec 3: 11am-1pm) depending on section, and will be cumulative.

Attendance: I expect students to attend class sessions regularly and in addition to receiving a 0 on any quiz from an unexcused absence I heavily weigh attendance in your grade. **For each absence (unless university excused) over 4 your overall final grade will be reduced by 1/4th of a letter grade.**

Skipping classes can seriously affect your final grade! If you are going to miss class please email me before class. Each student is responsible for making-up any missed study or work on their own. Limited assistance will be offered to those with plausible reasons for absences; unexcused absences result in the student being totally responsible for the make-up process. You are responsible for all announcements and material covered in the event that you do miss class, and should get that information from one of your classmates. In the event of a weather emergency that requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333.

Academic Honesty: Students are expected to practice the highest standards of ethics, honesty and integrity in all of their academic work. Any form of academic dishonesty (e.g., plagiarism, cheating and misrepresentation) may result in disciplinary action. Possible disciplinary actions may include failure for part of or all of a course as well as suspension from the University.

I absolutely require that you fulfill your academic obligations in a fair and honest manner. This includes turning in work that is uniquely yours, unless I explicitly require you to work on a project in a group. I strongly suggest that if you work with others, you only work together in the idea generation phase. When it comes to writing your work, you must do so independently. It is in your best interest to never look at any solutions written by another student and to never let another student see any solutions you have written. If you do turn in work that I suspect is the result of cheating, it will be dealt with **harshly**.

Specific items that I consider cheating are:

- *Turning in someone else's work as your own (with or without that person's consent).* This includes turning in a copy of something that can be mechanically transformed into a copy of someone else's work. Don't even try to disguise cheating by simply modifying someone else's work and calling it your own.
- *Allowing someone else to turn in your work as his or her own work.* This includes allowing fellow students access to your electronic copy.
- *Using a solution developed in a previous term, found in a book or on the web.*
- *Using a program to generate HTML rather than writing it by hand in a text editor*

You may find the full Academic Misconduct Policy online at:
http://web.ccsu.edu/academicintegrity/UndergradAcadMisconductPolicy.htm
Please read it carefully.

Students with disabilities: Please contact me privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, Willard Hall, 101-04 if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.

Hints to Succeeding in CS 110:

- **USE OFFICE HOURS!** There are many different ways to use office hours such as: working through practice problems together; discussing some topic you are confused about or want to learn more about; or if you just want to visit. To get the most out of these I recommend having a problem in mind that you have put some effort into. This will help me better understand where you need help, however I am always willing to help even without that. Put simply, **if you are confused come see me**. While I have posted office hours, feel free to stop by anytime or make an appointment with me if you want to make sure I'm available at a specific time.
- Make sure you **do all of your assignments**. It is the best way to realize quickly if you are missing

any important points so that you don't make similar mistakes on the mid-term and final exams.

- **Get involved** in lectures. Don't be afraid to ask for clarification or additional explanation, chances are if you are confused someone else is as well.
- **Pay attention to the feedback you get on homework and exams.**

Tentative class outline and assignments

Week 1 August 25th
- Internet, History of the internet
- Introduction, course overview and objectives
- Overview of the Internet
- Lab 0: Intro to Blackboard

Week 2 September 1
- Addressing and protocols
- HTML Basics
- Lab: History and HTML

Week 3 September 8
- WWW, History of WWW
- fonts, styles, colors
- HTML images and formatting
- Lab: History, images, and formatting

Week 4 September 15
- Browsers and email
- links, lists
- Lab: Create simple homepage

Week 5 September 22
- Malware, Techniques for identity theft, privacy
- Security, privacy and searching the internet
- CSS basics
- Lab: Spyware debate

Week 6 September 29
- Spyware debate
- CSS
- Lab: HTML and CSS

Week 7 October 6
- Web search
- CSS classes
- Fonts and links
- Lab: CSS classes

Week 8 October 13
- Web search
- Tables, frames
- Lab: Tables and frames

Week 9 October 20

- Review
- **Midterm - Thursday, October 23rd (tenative)**

Week 10 October 27
- HTML forms
- Lab: HTML forms

Week 11 November 3
- Scripting, Intro to Javascript,
- Javascript basics and types
- Lab: Javascript intro

Week 12 November 10
- Javascript events and functions
- Lab: Javascript events and functions

Week 13 November 17
- Javascript conditional execution
- Lab: Javascript 1

Week 14 November 24
- *No class Thursday - Thanksgiving Recess*
- Javascript control structures
- Lab: Javascript 2

Week 15 December 1
- Javascript functions and arrays
- Lab: Javascript 3

Week 16 December 8
- Summary and Review

Final Exams
- TR 1:40pm-2:55pm class - Thursday, December 11th 2-4pm
- TR 10:50am-12:05pm class - Thursday, December 11th 11am-1pm