

# **CISC-103: Web Applications using Computer Science**

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**Web Site:** <https://www.eecis.udel.edu/~yarringt/103>

**Office (normally):** 410 Smith Hall

**Prerequisites:** None

## **HIGHLIGHTS:**

- This course will be held asynchronously
- All course material will be posted to the course Web site <https://www.eecis.udel.edu/~yarringt/103>
- Lab attendance on Friday will be mandatory
- We are learning the basics of HTML, CSS, and JavaScript
- Labs will be due Monday at midnight (with 3% penalty for turning it in Tuesday at midnight, then 10% each day after that, with no labs being accepted after 7 days)
- You may work with a partner on all labs/projects unless otherwise explicitly stated (or you may choose to work alone)
- All grades must be contested within 2 weeks of the returned, graded assignment or the grade stands
- No exams

## **COURSE DESCRIPTION**

This course teaches basic Web Applications using computer science. In this course you will learn basic computer science principles through the use of HTML and CSS and by programming in JavaScript.

## **ATTENDANCE POLICY THIS SEMESTER:**

**This class will be held asynchronously.**

I live in an area that continuously has spotty internet, especially when others in my family are sharing bandwidth. However, I very much want you to stop by my office hours/reach out to me. Like many of you, I very much miss being with my students and getting to know my students. Please stop by office hours with or just to say "hi".

Asynchronous means there is no required lecture time. If you need help, you may attend my office hours, one of the class TAs office hours, and in your Friday lab session.

- **Lab attendance on Friday is MANDATORY** See **Lab** section for details.

## **COURSE OBJECTIVES:**

By the end of course, you should be able to do all of the following.

- Learning basic web terminology, including:
  - Distinguish between a web client and a web server
- Create simple web pages by hand editing HTML, CSS and JavaScript files.
- Identify the syntax and semantics of the most important HTML elements.
- Recognize the uses and advantages of basic HTML5 elements
- Explain various aspects of validation of web documents, including:
  - the benefits of writing "valid" HTML
  - identifying and avoiding common validation errors in sample HTML code
- Explain basic techniques for making web pages accessible to users with different disabilities
- Use various syntax features of the CSS language.
- Use basic CSS3 styles
- Explain the difference between static and dynamic web pages.
- Demonstrate an understanding of basic programming skills in JavaScript, including:
  - using variables

- using arrays
- using control structures including if/else and loops.
- writing and calling functions with parameters
- using basic event handling
- Demonstrate why and how to include comments in HTML, CSS and JavaScript code.

### **EQUIPMENT NEEDED:**

- A working laptop or computer
- Internet access

### **CLASS RULES:**

1. All labs and projects must be uploaded to the University's web server and the URL submitted via Canvas (if you don't know what this means, you will after the first week or so of class)
2. All grades must be contested within 2 weeks of being returned. After that they stay final.

### **COMMON COURTESY:**

- If you will miss lab (excused or unexcused), email your TA to let her/him know.
- If you are working with a partner and will miss lab, let your partner know as well.

### **EMAIL:**

Email is the only consistent method of communication I have with the entire class. It is imperative that you know that you are receiving mail from the class list. Anything mailed at least 24 hours prior is considered your responsibility to know. It may be very helpful to check email before, during or after any unusual event (e.g., power outages, snow, ice, windy days, holidays) Check the UD Homepage for any University wide cancellations.

### **LABS:**

Many labs are integrally related to the week's classwork. Thus you may need to complete the lab assignments outside of your assigned lab time.

Unless otherwise specified, you may work with a partner on labs/projects/homeworks. If you choose to work with a partner, be aware that your partner's failure to communicate/properly assist does not constitute an excuse for your not completing the lab/homework/project.

**Learn your Section number and the name and email address of your TA!**

### **LAB SESSION ATTENDANCE**

#### **Lab attendance is REQUIRED!**

To receive full credit for attendance, you must attend the lab session until you have COMPLETED the lab being worked on that day. If you leave early without turning in that day's lab, it will be considered an absence.

Keep your TA informed about planned absences. Send email just prior to or immediately after any absence from LAB, even if you've told the TA ahead of time. This makes record keeping so much easier.

Equally, if you are working with a partner, keep your partner informed of any planned absences from lab.

**You are allowed 3 absences** from lab. If you miss more than 3 labs, you will receive a 0 for lab attendance. You are still required to turn in the lab assignment by the due date. Notes attesting to visits to the infirmary will NOT result in an excused absence from lab.

### **LAB ASSIGNMENTS**

**Labs are due Monday night at midnight unless otherwise instructed.**

Labs may be turned in Tuesday night with a 3% penalty. After that, for each day late, you will lose an additional 10%. Labs will not be accepted after 7 late days.

**IMPORTANT - Keep all labs available until the end of the semester as proof in case there is a problem.**

**EXAMS:**

There are no exams this semester. However, the final project will encompass the entire semester and will be due during finals week.

**ACADEMIC DISHONESTY:**

Collaboration with others in the class is ENCOURAGED for any in-class work. Copying anyone's work is considered Academic Dishonesty and will be prosecuted.

Copying any other person's work (off the Internet, for example) without proper acknowledgment is plagiarism, a serious offense, and the one most common to computer science courses.

Anyone that aids another student in copying or with work that is expected to be done without collaboration is as guilty as the person who seeks help. Both will be prosecuted. It is strongly recommended that you familiarize yourself with the University's Policy of Academic Dishonesty.

Please be advised that the University of Delaware Academic Honesty & Dishonesty Policy is taken seriously by this Instructor and NOTE WELL that it will be followed in the conduct of this course. This policy covers all forms of

- Plagiarism, including "copying, or allowing another student to copy, a computer file that contains another student's assignment, and submitting it, in part or in its entirety, as one's own";
- Fabrication, including "submitting as your own any academic exercise (e.g., written work, printing, sculpture, etc.) prepared totally or in part by another";
- Cheating, including copying or collaborating on a project/lab/homework with any other person(s) without authorization; and

Be aware that The University has a collaboration with all the major online tutoring services such that they will provide the names of students both posting problems and checking answers when requested. Equally, we, the professors and TAs, are constantly monitoring these services for assignments posted.

**COURSE ASSIGNMENTS AND MATERIAL**

All course material will be posted to the course Web site <https://www.eecis.udel.edu/~yarringt/103>

<b><u>GRADING:</u></b>		<b><u>Total % --Grade</u></b>
HTML/CSS Labs and Homeworks	20%	>=90% -- A
Web Site	22%	>=80% -- B
Lab Attendance	10%	>=70% -- C
JS Labs/Project/Homework	24%	>=60% -- D
Final Project	24%	
<b>TOTAL POSSIBLE</b>	<b>100%</b>	