

CS2100 - Introduction to Web Development

University of West Georgia, Fall 2019

General Class & Instructor Information

Important: Read this syllabus very carefully before the add and drop period ends. Please contact me with any questions and concerns as soon as possible.

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| Instructor: | Christine Rolka TLC 2-220 crolka@westga.edu 678-839-6662 | Location: | 1-211 |
| | | Credits: | 3 |
| | | Pre-requisite: | CS1301 with Minimum Grade B |

Office Hours

| | | |
|-----------|-----------------------|--|
| MW | 9:30a – 11:30a | (TLC 2-220 and Google Hangouts) |
| TR | 9:30a – 11:30a | (Online) |

By appointment

Catalog Description

An introduction to the design and implementation of web pages and site: foundation of human–computer interaction; development processes; interface, site and navigation design; markup and style-sheet languages; site evaluation; introduction to client-side scripting and client-side frameworks.

Course Delivery

Course content will be covered via in-class discussions, assigned readings, and videos. You will be responsible for reading and viewing all assigned content before taking quizzes and doing the exercises and projects.

We will meet Mondays and Wednesdays from 12:30p to 1:45p. In class on Mondays we will cover the topics for the week and then work on labs the remainder of the class period and on Wednesdays. It is possible that all work can be completed during class time.

The course content divides into three parts. The first part focuses on HTML, CSS, and basic web design and development issues. During the second part of the course, you will learn about using client-side JavaScript and jQuery to create more dynamic webpages. Finally, we will introduce client-side framework to assist with common development issues. External websites and custom resources will provide the majority of the content for this class.

All course content will be assigned, delivered, and submitted via our course management system “Moodle” (<http://courses.cs.westga.edu>). *Please be advised that there will be **no** course content offered via CourseDen.*

Learning Outcomes

By the end of this class you are expected to:

- Apply best practices to design, implement, and analyze a multipage website.
- Follow an iterative, incremental, user-centered software development process in the design and implementation of a multipage website.
- Apply basic client-side scripting concepts to make your website more interactive.

Unit Activities

Course material on Moodle is organized into weekly units. A weekly unit contains the course material and activities. The course material is posted in the resource section on the course website for each weekly unit. Course material consists of the following activities:

- Readings assignments from the text, web, and custom resources.
- Supporting resources, such as videos, and links to helpful websites.

Each unit contains graded activities consisting of:

- **One or two Quizzes.** The quizzes emphasize the mechanics of creating the web pages and websites.
- A **lab exercise** in which you will apply the concepts learned in your reading.

A week of this class will be dedicated to each of the midterm exam and the final project. Students will be given a few days to complete the midterm exam. The midterm exam, however, must be completed within a contiguous 2-hour window of time. The test is scheduled at the end of part I and the final project at the end of part II.

Communication

- I will inform you about course-related issues during class time and by email. Check your email at least once a day.
- If you have any questions or concerns you may contact me during my office hours, through email (crolka@westga.edu) or **Google Hangouts**. Please note that it may take up to 24 hours until you get an email response during the weekdays. If you send me an email over the weekend or on a holiday, I will reply within 24 hours of the next school day. Correspondence sent to Google Hangouts after 5pm will be answered the next school day.
- **csX Lab:** Teaching Assistants are available face-to-face to assist you; the hours are posted at <http://www.cs.westga.edu/csx>.
- **csX Live:** Teaching Assistants are available online to assist you; the hours are posted at <http://www.cs.westga.edu/csx>.

Student's Role

As a student you are expected to:

- Read all the assigned information, watch all videos, etc.
- Do all of the assigned work – quizzes, exercises, tests and projects.
- Be aware of all due dates. Late work will **not** be accepted.
- Be proactive in your learning! Get help from instructor and/or TAs in a timely fashion.
- Do not procrastinate! Do not wait until the last minute to start all assigned work.

Getting Help

You are expected to be proactive in getting help when you need it. You can get help by talking with your instructor or from the csX tutors.

- **csX**: a free, one-on-one peer tutoring center. They are available in a face-to-face format or online (csX Live). Please visit the csX tutoring center's home page for the most current information (<http://www.cs.westga.edu/CSX/HomePage>).
- Your instructor during office hours, via email, or Google Hangouts (<http://www.cs.westga.edu/christinerolka>).

Important Dates

| | |
|-------------|--------------------------------|
| Aug 14 | First day of class |
| Aug 14 – 20 | Open Drop and Add |
| Aug 23 | Friday Lab Begins |
| Aug 23 – 27 | Attendance verification |
| Sep 2 | Labor Day – No Class |
| Sep 23 | Test 1 |
| Oct 3 – 4 | Fall Break (No Classes) |
| Oct 9 | Withdrawal Deadline |
| Nov 25 – 29 | Thanksgiving Break |
| Dec 6 | Fall Classes End |
| Dec 9 | Final Project Due 1pm |

Textbook

We will use online resources as reference for the material for the class.

Optional Textbook

The textbook listed below contains well organized chapters about web development if you prefer use a hard-bound book. Please note that no labs will be assigned from here.

Web Development and Design Foundations with HTML5, 9/E

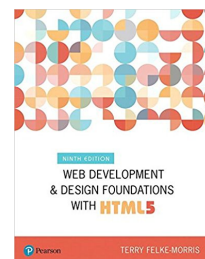
by Felke-Morris, Terry

Pearson Higher Education

ISBN-10: 0-13-480114-8

ISBN-13: 978-0-13-480114-8

See <http://webdevfoundations.net/9e/index.html> - for details about the book.



Required Software

You will need the following software installed on your computer:

- Notepad++ (TextWrangler for Macs) or Brackets is an open source, freely available editor for Web Development.
- 7-zip (Mac users will not have to install this software. The Mac OS has compression software installed by default.)

Grading

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|----------------|-----|
| Quizzes: | 15% |
| Labs: | 25% |
| Midterm Exam: | 20% |
| Final Project: | 40% |

There will be no opportunity for make-up work or extra credit.

Grading Scale

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|--------------|
| A \geq 90% |
| B \geq 80% |
| C \geq 70% |
| D \geq 60% |
| F < 60% |

Course Policies

Attendance policy

- Class attendance and participation is expected. Class participation includes coming to class on time and working on labs/assignments during class time. Be prompt reading/reviewing class materials and taking quizzes. Failure to fully participate in the class will negatively affect your grade. I take attendance at every class.
 - If you fail to attend class within the first week, you will be reported as “never-attended” to the Office of the Registrar. This action cannot be reversed.
 - You may be reported as "not-engaged" to the Office of the Registrar.
 - You may be assigned a failing grade for the class.
 - You may not be reinstated in the class if you are dropped for other reasons.
 - Other consequences as deemed appropriate on a case by case basis.
- There will not be any makeup quizzes, labs, assignments, or projects.
- There will be no dropped quizzes, labs, homework, or project grades.

Late work

- All assigned content is due at the scheduled time. I do **NOT** accept late work.
- It is the student’s responsibility to make sure the correct file is submitted. It is suggested that you verify that you have submitted the correct file. I will not allow you to re-submit.
- Under no circumstance will labs, assignments, or project submissions be accepted via email, hard copy, or other means.

Class Cell Phone policy

All cell phones should be placed in airplane mode and put away. My first priority is teaching and that is where my focus is during class time. I expect the same from you. Your first priority in my class is learning and that cannot happen if you are distracted by incoming messages.

Class Email policy

When sending an email to the instructor, please provide a subject line that includes the course number and brief description of your email. Additionally, write in an intelligible manner and

respectful tone and signed with your name. If these guidelines are not followed, do not expect a reply; otherwise I will respond within 24 hours during the week. If you send me an email over the weekend or on a holiday, I will reply within 24 hours of the next school day.

Academic Honesty

I expect you to abide by academic honesty. All graded work has to be your own work. Do not copy from web resources. Repercussions of cheating will result in a failing grade in the course. *All incidents will also be reported to the Office of Student Affairs* so that they can determine if further disciplinary action is warranted. More about the University policies for handling Academic Dishonesty are found in the Common Language for Course Syllabi below.

Common Language for Course Syllabi

Please carefully review the following information at this link <https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php>. It contains important material pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.