CSC 324A: Web Programming
Fall 2019

Instructor Information

- Dr. Homer S. White, 115 ASC, extension 8307, email hwhite0.
- Office Hours: MWF from 2:00-2:50 PM, Tuesday and Thursday 1:00-1:50 PM, and at other times by appointment.

Course Description

The study of one or more web programming languages, and the application of these languages in front-end and back-end web development. **Prerequisite:** CSC323. Offered in Fall semesters.

Text and Materials

- **Required Materials.** The textbooks for the class are:
  - *Eloquent JavaScript*, by Marijn Haverbeke, Third Edition, No Starch Press. Also available free online at http://eloquentjavascript.net/ .
  - *Express.js in Action*, byEvan M. Hahn. Manning Publications, 2016.
- **Computer Equipment.** You will need **your own** working computer on which to download needed software and to develop your applications.
- **Strongly Recommended:** A small notebook for note-taking in class.

Course Objectives

In this class, successful students will:

- demonstrate basic content knowledge of web programming syntax and concepts in programming assignments and exams;
- employ analytical reasoning skills by developing software requirements and selecting an appropriate solution techniques for scenarios described in programming assignments and exams;
- apply problem-solving skills to arrive at correct solutions in programming assignments and exams;
- apply critical thinking and written communication skills to document programs and other applications produced as part of programming assignments.

Course Requirements

Your grade will be determined by your performance on programming JavaScript Exercise Discussions, Programming Assignments, and a Project.

JavaScript Exercise Discussions. These are drawn mostly from the exercises in the Haverbake text. Students post their solutions on their GitHub repositories and on the day we go over the assignment class members are randomly selected to present and to discuss their solutions to selected problems. The grade is based on the presentation/discussion. The purpose is to demonstrate your understanding of the code that underlies the solutions and to acquire skill in speaking technically about programming. **Together the assignments are worth 20% of your course grade.**

Programming Assignments. Your progress will be tracked by a series of programming assignments, generally assigned a week or more prior to their due-dates. There will be approximately five such assignments. Source code and documentation for each assignment is turned in on GitHub, and published to the web as required. Some assignments prepare you for elements of the Project. **Together the assignments are worth 40% of your course grade.**

Project. The Project, which involves the creation of a web app using the Express.js framework, is assigned at the beginning of the semester. Requirements and grading rubrics are provided in a separate document. There is no final for the class; instead the final exam period is devoted to presentation of the projects. **Note:** The final exam period is scheduled for Friday, December 6 at 9 AM in our classroom.

Academic Honesty Considerations. Solutions to Haverbeke exercises are provided online with the text, and alternative solutions are often available and easy to find on the Internet. It is not prohibited to rely heavily on these solutions, but you must work to understand them fully, and you if you can come up with a clearly unassisted solution then your grade is liable to be better. As for Programming Assignments, you may consult with me and with fellow students about them, but everyone must write up his/her own assignment without copying from others. Strong evidence of copying from others results in a zero grade for all parties involved. Projects should be done without conferring with other students, and you must document and acknowledge helpful code taken from the Internet.

Course Grade Calculation. Your course percentage is computed as follows:

Course = 0.20*Exercises + 0.40*Assignments + 0.40*Project

The grading scale is as follows:

A	92.5% and above
A/B	87.5% to 92.5%
B	82.5% to 87.5%
B/C	77.5% to 82.5%
C	70% to 77.5%
D	60% to 70%
F	below 60%

Miscellaneous Course Policies

- **Getting Help.**
    - **Office Hours** (see under "Instructor Information") are very important to college professors. During my posted office hours I am in my office for no other purpose than to help you. Therefore you never need to make an appointment to see me during office hours: just stop by. If you cannot make my office hours, consider stopping by anyway. Quite often I will be too busy to see you, but sometimes I can put off my other tasks. Remember: to the faculty, you are much more interesting than any paperwork they have to do. You can also contact me to set an appointment if you need to be sure of seeing me outside of office hours. To summarize: don't be shy, and if you start to have troubles, come to me for help right away—not weeks later when it will probably be too late.
- **Attendance and Timeliness**. Attendance will be taken daily and reported on GConnect. Exercise Discussions missed due to unexcused absences cannot be made up.
- **Check your College email daily for course announcements.** Updates on quizzes and homework, as well as other announcements, are announced via email.

Disclaimer

I hope that the foregoing has given you a good idea of what the course will be like. It should not, however, be construed as a contract or legal document of any sort. In particular, the course content and policies mentioned herein are subject to reasonable modification in response to changing circumstances and events. I will, however, endeavor to notify you well in advance of any needed changes.