CS 465P/565 – Summer 2020
Full Stack Web Development

Disclaimer: *This syllabus is tentative and changes can be made by the instructor at any time this quarter.*

Class Description

This class will introduce various web techniques and cover the spectrum of skills required to become a full-stack developer. You will not become an expert in eight weeks, but you will leave this course with a better understanding of what skills you may want to continue improving and what areas of web development you may wish to pursue.

Class Goals

In this course, you will learn how to create web applications using a combination of front-end and back-end technologies, you will build a personal website or a full-stack application. You will also read documentation, use a code editor, and practice using version control to submit all the assignments in this class.

Note About COVID-19 and Remote Teaching

I want to acknowledge that we are all operating in unusual circumstances this term. I have adjusted our course plans to accommodate remote teaching and I anticipate we may have to make additional changes as the term progresses and we learn what is working and what is not working. Please reach out if you have any questions or concerns.

Class Personnel Info

Instructor: Caterina Paun

- Email: caterina@pdx.edu
- Slack: @caterina
- GitHub: @caterinasworld
- Office Hours: By appointment

Class Topics + Tentative Schedule

Dates	Topics	Assignments Due
Week 1	Course Introduction Setup: VS Code, Git/GitHub	Assignment 0
Week 2	HTML and Accessibility CSS: Basics and Layout	Assignment 1 due on Sunday at 11:59pm
Week 3	JavaScript (ES6) and APIs **Project Pitches**	Project Pitch due on Tuesday by 11:59pm.
Week 4	JavaScript Node, Express	Assignment 2 due on Sunday at 11:59pm
Week 5	React Jest and Testing Frameworks	Assignment 3 due on Sunday at 11:59pm
Week 6	Angular + TypeScript Vue.js	
Week 7	Rest APIs + GraphQL Databases, CI/CD, Hosting	**Final Project and Final Project Presentations due on Sunday at 11:59pm**
Week 8	**Final Project Presentations**	

Textbooks

There are two required textbooks and one recommended textbook. The two required textbooks do have online versions that are available online.

- **HTML and CSS** - Jon Duckett - http://www.htmlandcssbook.com/
- **Eloquent JavaScript, 3rd Edition: A Modern Introduction to Programming**, 3rd Edition - Marijn Haverbeke - https://eloquentjavascript.net/
- (Recommended) **Learning React: Functional Web Development with React and Redux** - Alex Banks, Eve Porcello

Attendance

Attendance is not required, but your attendance and participation is highly encouraged. Per department policy, all students must attend the first week of class to remain in the course. Should you not be able to attend a class, you are expected to review the covered material on your own. **It is your responsibility to inquire about what we covered in class and what due dates might have changed.**

Class Recordings and FERPA

We will use technology for virtual meetings and recordings in this course. Our use of such technology is governed by FERPA (Family Educational Right and Privacy Act), the Acceptable Use Policy and PSU's Student Code of Conduct. A record of all meetings and recordings is kept and stored by PSU, in accordance with the Acceptable Use Policy and FERPA. Your instructor will not share recordings of your class activities outside of course participants, which include your fellow students, TAs/GAs/Mentors, and any guest speaker. You **may not share** recordings outside of this course. Doing so may result in disciplinary action.

Additionally, you **may not record** the class lectures on your own.

Coursework

This course will cover a wide variety of topics and will require substantial time for reading, learning, and programming. Questions about coursework or content should be asked in the associated Slack channel in the **pdx-cs** Slack room.

The coursework will consist of homework assignments, a portfolio project, or a final project. All your code in this class must be tracked through **version control**. Throughout this course, you will have several homework assignments to help you practice the topics we cover during the lectures. Your homework assignments should be tracked in a **private repository** on GitHub. Your final project should be tracked in a **public repository** on GitHub.

While you can ask questions or start discussions on Slack, you are required to write your own code. Each student is expected to submit their own original work for all homework and projects.

Deadlines

Deadlines are final and no late submissions will be accepted. The deadline for petitioning a released grade is one week. I will not respond to inquiries regarding a released grade whose grace period has passed.

Grading Policy

- Homework Assignments - 40%
- Final Project - 60%
    - Project Pitch - 10%
    - Final Project Presentations - 10%
    - Final Project - 40%

Accommodations

Access and Inclusion for Students with Disabilities

PSU values diversity and inclusion; we are committed to fostering mutual respect and full participation for all students. My goal is to create a learning environment that is equitable, usable, inclusive, and welcoming. If any aspects of instruction or course design result in barriers to your inclusion or learning, please notify me. The Disability Resource Center (DRC) provides reasonable accommodations for students who encounter barriers in the learning environment.

If you have, or think you may have, a disability that may affect your work in this class and feel you need accommodations, contact the Disability Resource Center to schedule an appointment and initiate a conversation about reasonable accommodations. The DRC is located in 116 Smith Memorial Student Union, 503-725-4150, drc@pdx.edu, https://www.pdx.edu/drc.

- If you already have accommodations, please contact me to make sure that I have received a faculty notification letter and discuss your accommodations.
- Students who need accommodations for tests and quizzes are expected to schedule their tests to overlap with the time the class is taking the test.
- For information about emergency preparedness, please go to the Fire and Life Safety webpage (https://www.pdx.edu/environmental-health-safety/fire-and-life-safety) for information.

If you have requested special accommodations with the Disability Resource Center, it is your responsibility to follow up with the instructor to establish what support you need in the class.

Academic Misconduct

"*(9) Academic Misconduct.* Academic Misconduct is defined as, actual or attempted, fraud, deceit, or unauthorized use of materials prohibited or inappropriate in the context of the academic assignment. Unless otherwise specified by the faculty member, all submissions, whether in draft or final form, must either be the Student's own work, or must clearly acknowledge the source(s). Academic Misconduct includes, but is not limited to: (a) cheating, (b) fraud, © plagiarism, such as word for word copying, using borrowed words or phrases from original text into new patterns without attribution, or paraphrasing another writer's ideas; (d) the buying or selling of all or any portion of course assignments and research papers; (e) performing academic assignments (including tests and examinations) in another person's stead; (f) unauthorized disclosure or receipt of academic information; (g) falsification of research data (h) unauthorized collaboration; (i) using the same paper or data for several assignments or courses without proper documentation; (j) unauthorized alteration of student records; and (k) academic sabotage, including destroying or obstructing another student's work.**"**

Any academic misconduct, including plagiarism, will result in severe penalties. All incidents of academic misconduct will be reported to the **PSU Conduct Office**. If you have questions, please contact me for clarification. You can also consult the **PSU Code of Student Conduct** (https://www.pdx.edu/dos/psu-student-code-conduct) for more guidelines.