

CS390-WAP Fall 2024 Syllabus

Contact Us

Arnav Mehra – mehra23@purdue.edu

Sagar Patil – patilsr@purdue.edu

Schedule

8/19 LEC 1: HTML

8/21 LEC 2: CSS

HW 1 Released: Simple Resume Page

8/26 LEC 3: JS Part 1 (Intro, Basic Syntax)

8/28 LEC 4: JS Part 2 (DOM Manipulation)

HW 2 Released: Fun Game (Tic-tac-toe, Whack-A-Mole)

8/30 HW 1 Due @ 11:59 pm

9/2 No Lecture: Labor Day

9/4 LEC 5: JS Part 3 (Event Handling, Forms, Debouncing)

9/9 LEC 6: JS Practice (Gravity Sim)

9/11 LEC 7: JS Practice Continued (Gravity Sim)

9/16 LEC 8: Building a Frontend Library Part 1 (DOM Building)

9/18 LEC 9: Building a Frontend Library Part 2 (States, Reactivity)

HW 3 Released: HW 2 With Our Library (lib will be given for those wanting to start early)

9/20 HW 2 Due @ 11:59 pm

9/23 LEC 10: Building a Frontend Library Part 3 (Components, Lifecycle)

9/25 LEC 11: Building a Frontend Library Part 4 (Components, Lifecycle Continued)

9/30 LEC 12: Building a Frontend Library Part 5 (Conditionals)

10/2 LEC 13: Building a Frontend Library Part 6 (Lists)

10/7 No Lecture: Fall Break
10/9 LEC 14: React Part 1 (Intro, JSX, Conditionals, Arrays)
HW 4 Released: Rewriting HW 2 in React
10/11 HW 3 Due @ 11:59 pm

10/14 LEC 15: React Part 2 (Component Lifecycle, Hooks, Router)
10/16 LEC 16: React Practice (Rewriting Gravity Sim)

10/21 LEC 17: Networks (DNS, HTTP Methods, WebSockets, JS Fetch)
10/23 LEC 18: Express Part 1 (Routers)
HW 5 Released: HW4 + Login + Multiplayer
10/25 HW 4 Due @ 11:59 pm

10/28 LEC 19: Express Part 2 (Middleware)
10/30 LEC 20: MongoDB Part 1 (Intro, CRUD)

11/4 LEC 21: MongoDB Part 2 (Schemas w/ Mongoose)
11/6 LEC 22: Full-Stack Practice (Gravity Sim Login)

11/11 LEC 23: Full-Stack Practice Continued (Gravity Sim + Multiplayer)
11/13 LEC 24: Web Security Part 1 (Password Storage)
HW 6 Released: CTF
11/15 HW 5 Due @ 11:59 pm

11/18 LEC 25: Web Security Part 2 (Authentication, Authorization)
11/20 LEC 26: Web Security Part 3 (Cross-Site Scripting)

11/25 LEC 27: Hosting
11/27 No Lecture
11/28 HW 6 Due @ 11:59 pm

Homework

There will be 6 assignments total. Release and due dates are given in the schedule above.

Quizzes

Following each lecture, there will be a quiz on BrightSpace to complete by 11:59 pm of the following day. All questions will come directly from lecture slides/examples or your own head. These will not only serve as a way for you to validate your understanding of lecture material, but also for us to take student feedback and make any changes necessary.

Exams

There are no exams in this course. You're welcome.

Grading

Weighting:

Homework - 70%

Quizzes - 30%

Drops:

Homework - 2 Lowest of 6.

Quizzes - 7 Lowest of 27.

Grading Scale:

A	[92.5, 100)
A-	[89.5, 92.5)
B+	[86.5, 89.5)
B	[82.5, 86.5)
B-	[79.5, 82.5)
C+	[76.5, 79.5)
C	[72.5, 76.5)
C-	[69.5, 72.5)
D+	[66.5, 69.5)
D	[62.5, 66.5)
D-	[59.5, 62.5)
F	[0, 59.5)

Curve: If necessary, this course will be curved upwards by a fixed percentage such that at least 60% of the class ends with an A or A-.

Late Policy

Quizzes: Not accepted late.

Homework: 1 week late will receive a 20% penalty. Over 1 week late, will receive a 40% penalty.

There is no guarantee assignments submitted past 12/7 will be graded.

Academic Honesty

Don't copy each other's code (but code small segments from StackOverflow and other online resources **with full attribution** is fine)

[Academic Integrity](#) (to be followed unless explicitly specified)

The first instance of academic dishonesty will result in a 0 on the assignment. Further instances will result in a 0 on the assignment and a 5% deduction to your final grade.

DRC Accommodations

In order to make this course as student-friendly as possible, all lectures will be uploaded to the course website, attendance will not be recorded, there will be no exams / timed assessments, and no restrictions will be placed on seating, note-taking, etc.

If you are a student (with accommodations) in need of extensions, preferred seating, or anything related, please notify an instructor and we will coordinate.

Other Notes

This syllabus is **subject to change**. If anything is to change, it will be announced by email and addressed during the following lecture. Note that these changes will only ever be for your benefit, or to preserve Purdue regulation and values.