

# CMPS 3680 Server-Side Web

*Spring 2026*

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**Lecture Classroom:** Science III 311

**Course Website:** <https://cs.csub.edu/~paul/cs2680>

**Instructor:** William Paul Royer

**Email:** wroyer@csub.edu

**Office Hours:** Mon, Wed, Fri 12:00pm - 2:00pm

**Office Room:** Science III 339

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## Course Description

Current trends in server-side application development, configuration, and tools. Topics will include web servers, internet protocols, data interchange formats, information storage and retrieval, and security. Each week lecture meets for 100 minutes and lab meets for 150 minutes.

## Prerequisites

None

## Textbook

Online Resources

## Material Covered

HTML, Javascript, and CSS review

Introduction to Server-Side Web Development

Introduction to PHP

Server Side Rendering

PHP Includes, Arrays, Strings, and Functions

Processing Form Data

Object Oriented Programming with PHP

Linux Administration and Web Servers

Introduction to APIs

Internet Protocols

Data Interchange Formats

Introduction to Server-Side Data Storage

SQL and NoSQL

Client/Server Data Validation

Security Risks

## Attendance

It is recommended that you attend every class session and that you are not late to class. Lectures will begin at the class start time. I may randomly take attendance for records but it does not count for points.

**THE FIRST HALF OF EACH LAB WILL BE GUIDED BY ME IN CLASS DURING LAB EACH TUESDAY!**

## Academic Integrity Policy

Do your own work. While you will be permitted to use most tools (including some features of LLMs) documentation will be required. DOCUMENT EVERYTHING, EVEN IF YOU THINK IT'S NOT IMPORTANT! **YOU SHOULD BE ABLE TO EXPLAIN EVERY LINE OF YOUR CODE!** Violations are determined in accordance with the Department's policy on [academic honesty](#).

## Open Computer Lab and Tutoring

The walk-in computer lab in Science III is available for use by students in this course outside of class time on a first come/first serve basis. Priority in the lab is given to students who are completing assignments for Computer Science and Computer Engineering courses.

Tutoring is also provided on a limited basis in the walk-in lab. The tutors are not allowed to solve the assignment for you, but they can assist with problems like compiler errors.

## Grading

Labs:	25%
Project 1:	25%
Project 2:	25%
Final Project:	25%

All labs, assignments, and projects are given equal weight unless stated otherwise. This is subject to changes based on assessment of the class's academic progress and needs.

## Homework & Labs

25% of your grade will be based on lab assignments.

Makeup labs will be given at my discretion on an individual basis. Please notify me before lab day if you are unable to attend.

### Homework

Homework assignments will be provided on the course website as needed and will mostly consist of reading/watching online materials. Homework assignments are not graded, however they provide you with additional material to enhance your learning and prepare you for labs and projects

### Labs - DUE MONDAY BY MIDNIGHT!

Lab assignments will be posted on the course website every TUESDAY and will generally consist of two parts.

Labs will be worth 10 points and usually involve a number of small web design projects:

- You will receive 5 lab points for **ATTENDING THE LAB** and following along for PART 1.
- You will receive 5 lab points for completing PART 2 of the lab on your own by the posted deadline.

Partial credit will be given for incomplete projects.

## Midterm & Finals

There will be two midterm projects and one final project. Late projects will not be accepted.

### Midterm Projects

Project descriptions and due dates will be announced promptly ahead of time. Projects will consist of fully developed web creations based on lecture material and lab assignments. For each project, you will have 2 weeks to complete the requirements. Each project will have a rubric for criteria and descriptions matching the achievement level. Partial credit will be given for incomplete projects.

### Final Projects

Your final project will consist of a project proposal, fully developed web pages, and a short 5 minute presentation of your completed project. Unlike the midterm projects, the final project will be entirely up to you. The requirements for the final project proposal and the criteria for the project will be announced at a later time. Presentations will begin on the last week of lecture and end on our scheduled final (Tuesday May 12, 8:00am - 10:30am). Attendance for presentations will be required. If a final project is not submitted and presented to the class, then the student will receive an incomplete for the course.

## Assignment & Project Submissions

Initial assignments will be submitted by uploading your files to your public\_html directory on odin.

You will place each lab and project in its own folder. This will be explained in more detail in class.

Many of the later labs that involve more advanced server configuration will be heavily participation based.

## Statement Regarding Accommodations for Students with Disabilities

To request academic accommodations due to a disability, please contact the Office of Services for Students with Disabilities (SSD) as soon as possible. They may be reached at 661-654-3360 (voice), or 661-654-6288 (TDD). If you have an accommodation letter from the SSD Office, please present it to me during my office hours as soon as possible so we can discuss the specific accommodations that you might need in this class.