

# Web and Database Programming – CPS 553

## Fall 2025 (3 Credits)

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### INSTRUCTOR INFORMATION

**Instructor:** Kaitlin Hoffmann  
**Email:** [hoffmank4@newpaltz.edu](mailto:hoffmank4@newpaltz.edu)  
**Lecture Location:** Lecture Center (LC) 109  
**Lecture Hours:** Tuesday 5 - 7:50 PM  
**Office Hours:** Monday 1:15 - 3:15 PM. Tuesday 2:45 - 4:45 PM.  
**Office Location:** SH 243 (If I'm not in there, check SH 260, the glass room)

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### COURSE DESCRIPTION

Web architecture, client/server programming in the web context, SQL and non-SQL databases, relational databases, SQL. Web-database connectivity. Serving Static and Dynamic content.

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### COURSE OBJECTIVES & STUDENT LEARNING OUTCOMES

Students should be able to:

- Design and develop dynamic and static web pages using HTML, CSS, and JavaScript.
  - Know how to create, manage and access a Database for a full stack application.
  - Create a full stack website that utilizes HTML, CSS, MySQL, Axios, Node.js, Express.js, and JavaScript.
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### E-MAIL AND BRIGHTSPACE

E-mail and Brightspace are primary means of communication between the instructor and the students. Receiving and reading course email, as well as periodically checking Brightspace, is ***your responsibility***.

E-mails will be answered within 24 hours Monday thru Friday. Emails will not be answered Saturday and Sunday. Please do not spam my email inbox by re-sending the same, or variation of the same, email expecting me to respond faster. **The best time to reach me is Monday thru Thursday.**

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### TEXTBOOK (Optional)

The textbooks below are not required, but it is what I will be referencing throughout the course. The lectures, assignments and project should be enough to learn the material. There is also a plethora of free online resources to learn the same material which I will

provide below. However, not everyone learns the same way so you may want to buy/rent the book if you like to read a textbook with your courses:

***Web Development & Design Foundations with HTML5***, 9th edition, Pearson 2018  
**ISBN-10:** 0134801148  
**ISBN-13:** 978-0134801148

***Modern Database Management***, 13th Edition; Pearson 2019  
**ISBN:** 9780134773650, 0134773659

Listed below are some free online resources that you may find helpful for HTML and CSS:

- [www.w3schools.com](http://www.w3schools.com) – Resource for HTML, CSS, JavaScript, Node.js, and MySQL fundamentals and general reference
- <https://www.youtube.com/playlist?list=PLlIGF-RfqbZTASqlqdvm1R5mLrQq79CU> – Traversy Media YouTube Playlist on HTML and CSS
- <https://youtu.be/9ylj9NR0Lcg> – MySQL Crash Course by Traversy Media
- <https://www.youtube.com/c/TraversyMedia/playlists> – Playlists from Traversy Media on JavaScript, Node, Express, etc.

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## EVALUATION PROCEDURES AND CRITERIA

Progress in the course will be reflected in assignment, project, and exam grades covering the subject areas of the course. Attendance in classes is expected.

- Assignments: 20%
- Project: 20%
- Midterm Exam: 30% **October 7 5 - 7:00 PM**
- Final Exam: 30% **December 16 5 - 7:00 PM**

### Grade Scale (by percentage)

A	100 – 93	A-	92.9 – 90
B+	89.9 – 87.5	B	87.4 – 82.6
B-	82.5 – 80	C+	79.9 – 77.5
C	77.4 – 72.6	C-	72.5 – 70
D+	69.9 – 67.5	D	67.4 – 62.6
D-	62.5 – 60	F	Below 60

**Last day to DROP a course without "W" grade or fee for Fall 2025 is 09/07. Last day to request Course Withdrawal is 11/14.**

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## ASSIGNMENTS

Assignments are assigned each week and due the following week before the next lecture. All assignments can be found and submitted on Brightspace under the **Assignments** tab under the appropriate modules.

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## PROJECT

There will be one main project you will be creating that will encompass what you will learn throughout the course. Part of your weekly assignment may be adding a specific component to your project. Feedback will be given in order to receive full points for your complete project submission. For an A on your project, you must meet all the requirements on the **Project Rubric**.

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## EXAMS

There will be two exams: a midterm and a final exam. The midterm is scheduled for **10/07 5 - 7 PM**. The final is scheduled for **12/16 (5 - 7 PM)**. Exams will be a combination of multiple choice, fill in the blank, and short answer. Due to issues with cheating in the graduate program, exams are **closed** computer, but paper notes may be used. Phones **MUST** be facedown on your desk during the exams.

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## DUE DATES & LATE POLICY

Unless due to an emergency, or documented excuse, assignments are due as indicated on Brightspace and will **not be accepted** after the due date.

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## CAMPUS-WIDE POLICY STATEMENTS

**Academic integrity policy statement:** Students are expected to maintain the highest standards of honesty in their college work. Cheating, forgery, and plagiarism are serious offenses, and students found guilty of any form of academic dishonesty are subject to disciplinary action. New Paltz's policy on academic integrity is found at [www.newpaltz.edu/ugc/policies/policies\\_integrity.html](http://www.newpaltz.edu/ugc/policies/policies_integrity.html), and several excellent resources to help with avoiding plagiarism are available on the Sojourner Truth Library's website: [lib.newpaltz.edu/assistance/plag.html](http://lib.newpaltz.edu/assistance/plag.html).

**Reasonable accommodation of individuals with disabilities statement:** Students needing classroom and/or testing accommodations related to a disability should contact the Disability Resource Center (Student Union, Room 210, 845-257-3020) as close as possible to the beginning of the semester. The DRC will then provide students' instructors with an Accommodation Memo verifying the need for accommodations. Specific questions about services and accommodations may be directed to Deanna

Knapp, Assistant Director ([knappd@newpaltz.edu](mailto:knappd@newpaltz.edu)) or Jean Vizvary, Director ([vizvaryj@newpaltz.edu](mailto:vizvaryj@newpaltz.edu)).

**Veteran & Military Services statement:** New Paltz's Office of Veteran & Military Services (OVMS) is committed to serving the needs of veterans, service members and their dependents during their transition from military life to student life. Student veterans, service members or their dependents who need assistance while attending SUNY New Paltz may refer to [www.newpaltz.edu/veterans](http://www.newpaltz.edu/veterans); call 845- 257-3120, -3124 or -3074; e-mail [np-vms@newpaltz.edu](mailto:np-vms@newpaltz.edu); or stop by the Student Union, Room 100 South.

**Computer and network policies statement:** Users of New Paltz's computer resources and network facilities are required to comply with the institutional policies outlined in the Acceptable Uses and Privacy Policy, available at [www.newpaltz.edu/itpolicy/](http://www.newpaltz.edu/itpolicy/).

**Identity verification policy statement for online courses:** New Paltz's Online Identity Verification Policy is designed to verify that students enrolled in our online courses and/or programs are the ones who take the courses, complete the programs, and receive the academic credit.

See [www.newpaltz.edu/ugc/policies/policies\\_onlineverification.html](http://www.newpaltz.edu/ugc/policies/policies_onlineverification.html) for the complete policy.

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## **STUDENT EVALUATION OF INSTRUCTION**

You are responsible for completing the Student Evaluation of Instruction (SEI) for this course and for all your courses with an enrollment of five (5) or more students. I value your feedback and use it to improve my teaching and planning.

# Web and Database Programming

## Fall 2025 Outline

Date	Topics
Week 1 08/26	<ul style="list-style-type: none"><li>• Introductions</li><li>• Syllabus</li><li>• HTML</li></ul>
Week 2 09/02	CSS
Week 3 09/09	The Database Environment & Development Process (Chapter 1 from Modern DB Management)
Week 4 09/16	Modeling Data in the Organization (Chapter 2 from Modern DB Management)
Week 5 09/23	Database Design - Relations
Week 6 09/30	MySQL
Week 7 10/07 - <b>Midterm Tuesday 10/07 5 - 7:00 PM</b>	MySQL Continued
Week 8 10/14 - <b>NO CLASS TUESDAY (Indigenous People Day)</b>	
Week 9 10/21	JavaScript
Week 10 10/28	JavaScript Continued
Week 11 11/04	Node Express
Week 12 11/11	Promises

Date	Topics
Week 13 11/18	Client Side
Week 14 11/25	JavaScript and the DOM
Week 15 <b>12/02 - LAST CLASS Tuesday 12/02</b>	Deployment
Week 16 12/09	<b>FINAL EXAM: Tuesday, December 16th, 5:00 - 7:00 PM</b>

**\*\*\*Syllabus and Course Outline subject to change at instructor's discretion. You will be notified and held accountable for any changes to the syllabus.**