



**Hasan School of Business, Colorado State University – Pueblo**  
**Syllabus for CIS 411 (14386) – Internet Server-Side Programming**  
**Wednesdays 6:00 pm - 9:00 pm**

**Instructor Name:** Dr. Ron Viseh

**Instructor Office:** Virtual (Zoom)

**E-mail:** [mehran.viseh@csupueblo.edu](mailto:mehran.viseh@csupueblo.edu)

**Website:** <https://ron.viseh.com>

**Classroom:** Zoom: <https://csupueblo.zoom.us/j/95603718912>

**Office Hours:** Zoom: <https://csupueblo.zoom.us/j/97898041018> (Only by appointment)

**NOTE:** *Please only use your [csupueblo.edu](mailto:csupueblo.edu) email to communicate with me. I will not respond to 3<sup>rd</sup> party emails such as, GMAIL, YAHOO, or others.*

**Course Description:** Secure server-based web programming and scripting. Includes data base access methods, open-source tools, and web application construction from the server side.

**Prerequisites:** CIS 311 (Introduction to Web Development) & CIS 350 (Design, implementation, and use of database management systems)

**Course Objectives/Instructional Methods:**

The following learning objectives are the desired outcome for this course and will be evaluated at the completion of this class. After completing this class, you should be able to:

- Understand the concepts of the server-side web programming and scripting
- Understand the PHP syntax, control structures, and functions
- Understand PHP arrays, from the most basic all the way through to super global arrays, which are essential for almost any PHP web application
- Understand server-side development using the LAMP (Linux, Apache, MySQL, and PHP) environment
- Understand the principles of object-oriented development and using built-in and custom PHP classes
- Understand the basic terminology of database design and role of databases play in web development
- Understand the regular expressions are and how to use them in PHP
- Understand how sessions and cookies are and how to use them
- Understand how to prevent and deal with unexpected errors
- Understand how to process an XML file in JavaScript and PHP

**Required Text(s):** Fundamentals of Web Development 2e Randy Connolly and Ricardo Hoar

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eText ISBN: 9780134481807, 0134481801



**Other Materials:** Extra materials, if any, will be provided in class.

**Course Requirements:**

Description	Percentage
Labs & Quizzes	25%
Midterm Exam	25%
Portfolio Project	25%
Final Exam	25%
Total	100%

***Portfolio Project (25%)***

Your own Personal Portfolio Website will be developed over the course and posted on a publicly available website. ([www.000webhost.com](http://www.000webhost.com)) The students completed site link will be uploaded via Blackboard for site grading.

***Exams (25%)***

There will be two exams, midterm (25%) and final (25%). All exams are open book, open notes exams. Any act of academic dishonesty will result in a 0 for the exam.

***Labs***

There are number of labs that you will complete, these will prepare you for your Term Project.

***Attendance***

All students are expected to attend every lecture. Each lecture will be recorded, and the recordings will be posted to my website CS for review purposes.

**Grading:**

Grades will be determined based on accumulation of points as noted below. Note that there are no provisions for make-up work, re-examinations, extra work for extra credit, and so forth. Grades will be posted to Blackboard on the CSU-P website.

Points Accumulation	Final Grade
90%-100%	A
80%-89%	B
70%-79%	C
60%-69%	D
0%-59%	F

**Starfish**

Starfish is a communication software being utilized to support CSU-Pueblo students in this course. The purpose is to

facilitate our communication network for supporting student success. Students may receive kudos for exemplary performance, or flags or referrals for concerns needing attention. Please pay attention to emails from Starfish and take the recommended actions to be successful. Alerts can be viewed only by you, the faculty member and your advisors and support network. Starfish is accessed through PAWS where students may update their personal profile or request assistance. More information is available at <https://www.csupueblo.edu/starfish>.

### **Credit Hours and Expected Student Effort:**

This course is a 3-credit hour, full semester course. The University has adopted a standard lecture class minimum of 2,250 minutes of combined in-class (750 minutes) and out-of-class (1,500 minutes) time per credit hour per semester. Essentially this means that for each hour spent in class students need to spend two hours out-of-class dedicated to this course.

### **Exam Make-up policies:**

- There are absolutely no opportunities to retake an exam to improve the grade, or to do additional work for extra credit.
- If you miss an exam or are not able to take an exam as scheduled, you must provide a valid excuse and documents.
- If you know that you will not be able to take an exam as scheduled, you are required to see me **before** the exam to determine a time **before** the regular exam date to take the exam.
- Emergency or last-minute reasons for missing an exam will allow you to take the exam after the scheduled date.
- Student athletes that must miss exam dates due to sporting events are required to take all exams **before** the date scheduled. You must contact me to set a date to take the exam or receive a zero.

### **Accommodations:**

<https://www.csupueblo.edu/disability-resource-and-support-center/faculty-staff-resources.html>

If you have a documented disability that may impact your work in this class and for which you may require accommodations, please see the Disability Resource & Support Center (DRSC) as soon as possible to arrange services. The DRSC is located in OSC 201 and can be reached by phone (719-549-2648) and email ([csup\\_dro@csupueblo.edu](mailto:csup_dro@csupueblo.edu)).

### **HSB Academic Honesty Policies**

Continued enrollment in this course implies that the student has read, understands, and accepts all conditions established for academic honesty and integrity as set forth by the HSB faculty. You can find the HSB academic Honesty Policy at <https://www.csupueblo.edu/hasan-school-of-business/about/academic-honesty.html>

### **HSB Code of Conduct**

The mission of the Hasan School of Business at Colorado State University-Pueblo can be found at <https://www.csupueblo.edu/hasan-school-of-business/about/mission.html>

To achieve the goal of providing a high-quality educational experience, the students, faculty and staff of the school affirm the following principles and shared responsibilities:

- Students will attend class, come to class prepared, and maintain their academic engagement when challenged by difficult learning activities.
- Faculty will distribute (hard copy or electronic) course syllabi on the first day of class and faculty are expected to update their courses to integrate the most recent developments in their field(s) of study.
- Faculty, staff, and students will treat each other with respect in all activities (e.g., classroom, advising, and co-curricular activities).
- Students will be active participants in all group assignments and actively participate in class discussions.

- Faculty will come to class prepared, engage the class in a meaningful experience that enhances student learning, and provide timely feedback to students concerning academic performance.
- Students will notify faculty (by email, phone, mail, or other means) of class absence in advance of the scheduled class time.
- Faculty and students will take an active role in maintaining the highest academic standards by not participating in or allowing cheating or plagiarism.

**Mandatory Reporting:**

Colorado State University-Pueblo is committed to maintaining respectful, safe, and nonthreatening educational, working, and living environments. As part of this commitment, and in order to comply with federal law, the University has adopted a Policy on Discrimination, Protected Class Harassment, Sexual Misconduct, Intimate Partner Violence, Stalking, & Retaliation. You can find information regarding this policy, how to report violations of this policy, and resources available to you, on the Office of Institutional Equity's website ([www.csupueblo.edu/institutional-equity](http://www.csupueblo.edu/institutional-equity)).

Please familiarize yourself with the reporting requirements of this policy. Because I am a faculty member, I am a "Responsible Employee." That means I must report to the Director of the Office of Institutional Equity if you tell me that you were subjected to, or engaged in, of any of the following acts: *discrimination, protected class harassment, sexual misconduct, intimate partner violence, stalking, and retaliation.*

**Electronic Devices:**

Please mute all electronic devices during class time. The interruptions they cause disrupt class and interfere with the learning process.

**Wolfpack Health & Safety**

See Campus website for current coronavirus details including required submission of COVID-19 immunization record or exemption form: <https://www.csupueblo.edu/coronavirus/vaccinations/index.html>  
<https://www.csupueblo.edu/coronavirus/index.html>

For the health and safety of our campus community, we **require** that all students follow proper protocols issued by the University. It is the student's responsibility to know what these policies are **and any changes that may be occurring**. Students who fail to follow protocol and guidelines will be referred to the Office of Student Conduct and Community Standards and **will need to remove** themselves from the classroom. The policies related to this requirement can be found at

<http://csu-pueblo-policies.colostate.edu/policy.aspx?id=172> and <https://www.csupueblo.edu/student-conduct/doc/student-code-of-conduct-2020-final.pdf>

**Questions?** Please contact [covid@csupueblo.edu](mailto:covid@csupueblo.edu) or 719-420-0002 for assistance.

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**Managing Life Challenges and Getting Support**

College should be challenging, not overwhelming. Let us help. We understand that life occurs beyond the classroom. Should you or someone you know encounter an unexpected crisis (securing food or housing, managing a financial crisis, drastic changes in mood or behavior, missing school due to an emergency, loss of a loved one, etc..) please submit a Pack CARES referral to be connected with advocacy and support, free of charge:

<http://bit.ly/packcares>

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**The Wolfpack [Counseling Center](#): Here to Listen. Here to Help.**

We are open Monday through Friday from 8am to 5pm. Appointments are preferred, but walk-ins are welcome and this is a free service to students. Starting September 7, 2021, we now offer CRISIS/Emergency intervention on off hours. Just call our number and a therapist will be available from our answering service to talk with you then, and we will follow up with you the next morning.

Call us at 719-549-2838, or stop in at the CIHHI building Room 174.

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### **Course Concerns? We Want to Know.**

Our goal at CSU Pueblo is to provide the best possible experience for students. Your first contact for any course concern is your instructor. If your concern requires further attention, please contact the department chair for that course. The full resolution process for Academic Course-Related and other concerns is detailed in the Student Complaint Resolution Matrix at:

<https://www.csupueblo.edu/campus-life/student-complaint-form.html>

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### **Questions on Financial Aid or FAFSA?**

Please contact [Student Financial Services](#) for information or Counselor assistance. Call 719-549-2753 or email: [financialaid@csupueblo.edu](mailto:financialaid@csupueblo.edu)

See [Syllabus Reference Sheet](#) for full details.

**Class Schedule (Tentative) – Based on the progress this schedule may be revised.**

### **Important Dates:**

- End of add period – Jan 20
- End of drop period – Feb 1
- End of full-term course withdrawal period – April 14
- Spring break – Nov 20-24
- **Midterm Exam – March 8**
- **Final Project – April 26**
- **Final Exam – May 10**

# Course Schedule Outline

*(\*) No Late Submission with No Exception for Any Reason!*

Week	Dates	Lecture Topic	Assignments	Description
1	1/18	Orientation Introduction to Server-Side Development with PHP LAMP (Linux, Apache, MySQL, and PHP) environment	NotePad++ Tutorial <a href="https://youtu.be/FOFgv_c6ZrQ">https://youtu.be/FOFgv_c6ZrQ</a> FileZilla Tutorial <a href="https://youtu.be/adxmHDim6c">https://youtu.be/adxmHDim6c</a> How to Install XAMPP <a href="https://www.youtube.com/watch?v=Jd4H-4zfRw8">https://www.youtube.com/watch?v=Jd4H-4zfRw8</a>	First day of class Chapter 11
2	1/25	PHP syntax, control structures, & functions	Quiz 1 *	Chapter 11
3	2/1	Processing forms	Lab 1 *	Chapter 12
4	2/8	How to upload files to the server	Lab 2 *	Chapter 12
5	2/15	PHP Object-Oriented Design	Quiz 2 *	Chapter 13
6	2/22	Object-Oriented Design	Lab 3 *	Chapter 13
7	3/1	MySQL Databases		Chapter 14
8	3/8	*** Midterm Exam *** 20 multiple-choice questions	*	Exam on Blackboard
9	3/15	MySQL Databases	Quiz 3 *	Chapter 14
10	3/22	*** Spring Break ***		No Class
11	3/29	PHP Error and Exception Handling Regular Expressions	Lab 4 *	Chapter 15
12	4/5	Query Strings, Cookies, and Sessions	Quiz 4 *	Chapter 16
13	4/12	Web Application Design		Chapter 17
14	4/19	XML Processing and Web Services		Chapter 19
15	4/26	*** Final Project DUE ***	* Secure portal	
16	5/3			
	5/10	*** Final Exam *** 20 multiple-choice questions	Wednesday from 7:00 PM to 10:00 PM	
17	5/13	Commencement		

<https://www.csupueblo.edu/registrar/academic-calendar/2022-2023/index.html>

<https://www.csupueblo.edu/registrar/academic-calendar/2022-2023/final-examination-schedule.html>