

Spring Semester 2018

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| ***CST /*** ***Software Development*** | Jenny Wokersien |
| Introduction to Server Side Programming | Office: APIN 1415 |
| SWDV 210 | jennywokersien@cwidaho.cc |
|  | Instructor’s phone number: 562-2517 |
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## Students and Instructors are accountable for all information on the Course Syllabus, as well as the Institutional Syllabus Addendum, which is located on the Blackboard Site for this course. For further information regarding Library resources, accommodations, and more, please refer to the addendum on Bb.

## Instructor Availability

* I generally work M-Th from 11am to 6pm.
* If I don't answer my office phone, I can be reached at 230-4216. You may text this number.
* You may email anytime. I usually check email daily & try to answer questions within 24 hours.
* I am also available by appointment.
* If you have a problem, feel free to call. If it isn't mine to fix, maybe I can get you to the right place. Don't worry about whether or not I am busy. If I can't be bothered, I turn off my phone.

## Course Description

This course introduces dynamic website development. Topics include web server development and real-world implementation considerations using open-sourced languages. PRE/COREQ: SWDV 152.

***Course Schedule***

* Monday – Thursday; Fridays are USUALLY used for testing & project completion
* 2:00 pm – 6:00 pm
* APIN 1402
* 1st 5-wk session

## Course Focus

This course will focus on the development and implementation of dynamic websites through the use of PHP and MySQL. Topics will include basic data management practices as they relate to the aforementioned technologies. This course will require comprehensive implementation of the skills taught in previous courses.

## Course Objectives and Outcomes

Upon completion of this course, the student should be able to accomplish the following:

1. Explain server-side programming, including an overview of concepts and terminology.
2. Programmatically process strings, numbers, and data.
3. Produce control statements to make decisions, perform calculations, and format output.
4. Create and manipulate PHP arrays in a working program to solve problems.
5. Utilize cookie and session objects to track user information.
6. Identify, create, and use functions and objects to solve problems.
7. Construct a working PHP application.
8. Implement the Model-View-Controller pattern to organize code.
9. Create programming code to process form data and store it in a database.

***Outcomes Assessment***

This is a project based course. Programming projects will count as exams.

* Weekly Project Assignments are designed to give students the opportunity to practice course concepts in a hands-on manner and will often build on previous weeks’ assignments. Rubrics for each assignment can be found in the project specifications in Blackboard.
* Daily Labs are designed to help enforce concepts discussed during a class meeting and to help build skills needed to complete the Weekly Project Assignment.
* Weekly Quizzes are usually composed of questions related to course terminology and vocabulary.
* Weekly Discussion Questions are included in this course to help improve written communication, reading skills, and to encourage discussion of trends not included in the text books. A rubric for each DQ can be found in Blackboard.
* Professionalism Scores: The goal of CTE programs is to learn skills that lead to employment. These skills include arriving on time, being prepared for class by having completed all preliminary work for the class, maintaining a respectful attitude toward everyone in the classroom, encouraging others to participate, and participating in the class. Failure to uphold the standards results in a lower grade. **The professionalism score is reduced by non-attendance, tardiness, being unprepared for class, or a disrespectful attitude in class. Behavior that is disruptive in lecture—inappropriate talking, leaving early, cell phones ringing, texting, arriving late to class, etc. is unacceptable and reduces the professionalism score.** If a student is forced to miss a class, the student’s professionalism is graded based on the timing and method of informing the instructor of the absence. Each student is expected to be prepared to actively discuss the course material and participate. Discussions and assignments are designed to enhance the students’ understanding of the material. See additional Professionalism grade rubric. Professionalism is graded in Week 2 & Week 5.

***Grading Policy***

* A = 90% and above
* B = 80 – 89%
* C = 70 – 79%
* D = 60 – 69%
* F = 59% and below

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| **ASSIGNMENTS** | **Points** |
| Assignments / Projects (1 - 5) | 30 |
| Quizzes / Final Exam (Weeks 2 - 5) | 30 |
| Daily Labs (Daily) | 20 |
| Blackboard Discussions / Responses / Professionalism (Weeks 1 - 5) | 20 |
| Student Survey (Extra Credit, if completed) | 1 |
| **Total** | **100** |

## Textbooks and Required Materials

* **Text:** *Murach’s PHP and MySQL (2nd Edition)* Joel Murach and Ray HarrisISBN 978-1-890774-79-0
* **Removable Disk Drive:** 32GB recommended
* **Student Data:** Information captured to classroom computers or servers by a student is not subject to any backup routine. All classroom computers are reconfigured as necessary. If your data is of value to your success as a student you will need to save it to your own disk drive and retain the disk in your possession.

## Course Expectations

* Blackboard is used exclusively in this course for project submissions. Feedback for each assignment can be expected within 7 days of the deliverable due date and is sent in Bb.
* The average student can expect to spend approximately 6 hours per week preparing for class.
* Attendance in this course is required. More than 2 unexcused absences within the five week period of the course will result in a failing grade. Prior notification of instructor is necessary to avoid an unexcused absence. Instructor will have discretion in determining the type of absence that will be excused. Arriving late or leaving class early 3 times will be equal to one unexcused absence.
* If you use a cellular phone, please make certain that it does not ring during class hours. Please make other arrangements for receiving your calls during class hours. In the event that you are required to take a call, please leave the room quietly, and answer the call a respectful distance from the classroom. NO texting during class!
* Laptops are not allowed in the classroom. All work will be completed on school computers.
* Late assignments for this course will not receive full credit. Assignments are late if they are not submitted at the end of class on the due date unless another time is specified. Given that timeliness is requisite in defining excellence for workplace projects, a penalty will be assessed for late work. Ten percent of available points will be deducted per day. Assignments will not be accepted after the last day of class.
* On occasion class may be cancelled or delayed. You will be notified via Blackboard Announcements and email. It is expected students will check BlackBoard and email for all class cancellations. If the weather is questionable, be sure to check your messages and local news prior to leaving for school.
* After Jan. 1, 2015, smoking, the use of any tobacco products, and electronic/vapor cigarettes will be prohibited on any CWI campus. Visitors who fail to comply with the policy may be prohibited from remaining on, or returning to campus. Source: <https://cwidaho.cc/faq/tobacco-free-campus>.

***Computer Proficiency Expectations:***

Students in this course are expected to be proficient in the following areas:

* Microsoft Office products
* File navigation / File management
* HTML tags / Basic CSS properties & selectors / JavaScript / jQuery

The following resources are available as needed:

* <http://cwidaho.cc/current-students/tutoring-services>

***Behavioral Expectations:***

Every student has the right to a respectful learning environment. In order to provide this right to all students, students must take individual responsibility to conduct themselves in a mature & appropriate manner & will be held accountable for their behavior. Students who disrupt the class or behave inappropriately or disrespectfully, as determined by the instructor, may be asked to leave the classroom.

If conduct continues to be an issue, students may be referred to Student Conduct for judicial action. It is the student’s responsibility to check their email to receive notification of any scheduled appointments or other urgent communications.

Any student who has witnessed or experienced a violation of the student code may contact Student Conduct at 562-2305, or email: [conduct@cwidaho.cc](mailto:conduct@cwidaho.cc)

***Academic Honesty***:

All work submitted by a student must represent his or her own ideas, concepts, and current understanding. All material found during research must be correctly documented to avoid plagiarism. Cheating or plagiarism in any form is unacceptable and violations may result in disciplinary action ranging from failure of the assignment to failure of the course. Repeated acts of academic dishonesty may have more severe institutional ramifications.

## Emergency Procedures

## Students should be familiar with and follow posted instructions for evacuation located in each room.

## Suggestions for Success

* Students afflicted with a highly contagious illness should notify the instructor and seek medical attention. Absences due to medical emergencies of this nature may be deemed exempt from the policies above.
* We all have competing demands on our time. The demands of work, family, school and other activities all contribute to a hectic schedule that seems to leave little free time. I also experience similar demands on my time, and understand these pressures. Your success in this course will depend on your ability to reconcile these competing demands for your time.

## Course Calendar

The calendar below gives a general idea of the schedule and key deadlines. However, it is subject to change based on students’ progress and other considerations. Any changes will be announced in class and the syllabus below will be edited accordingly. All deliverables are due by 11:59pm unless otherwise noted.

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| **CALENDAR** | | **Sunday** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** | **Saturday** |
| Wk 1 | **January** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| PHP Chs  1-3, 17 |  | MLK Jr Day No Class |  |  | Quiz 1 Opens |  | Discussion & Project 1 Due |
| Wk 2 | **January** | **21** | **22** | **23** | **24** | **25** | **26** | **27** |
| PHP Chs 4-7 | Quiz 1 Due |  |  |  | Quiz 2 Opens | Lab Day  Online Part & Project 2 Due |  |
| Wk 3 | **Jan/Feb** | **28** | **29** | **30** | **31** | **1** | **2** | **3** |
| PHP Chs 8-11 | Quiz 2 Due |  |  |  | Quiz 3 Opens | Lab Day  Discussion &  Project 3 Due | BSU Eng &  Sci Festival |
| Wk 4 | **February** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| PHP Chs 12-15 | Quiz 3 Due |  |  | Guest Presenter (Curriculum Mtg) | Quiz 4 Opens | Lab Day  Online Part & Project 4 Due |  |
| Wk 5 | **February** | **11** | **12** | **13** | **14** | **15** | **16** | **17** |
| PHP Chs 19 & 20 | Quiz 4 Due |  |  | Lab Day Quiz 5 Opens | Project 5 Presentations &  Retrospective | Lab Day  Online Part, Project 5 &  Quiz 5 Due |  |