

# WEBD 166 PHP: An Introduction #52559

## Spring 2024 Online Class

### Course Information

**WEBD 166 PHP: An Introduction #52559**

Spring 2024 - 1/29 to 5/25 – 16-week course  
2.50 Lecture Hours, 1.50 Lab Hours, 3.00 Units  
Letter, Grade, or Pass/No Pass Option

### Instructor

**Professor Teresa Pelkie MA, MS, Adjunct Faculty**

**Please use the Canvas Inbox to contact me**

Email: [tpelkie@sdccd.edu](mailto:tpelkie@sdccd.edu)

Response Time: I will reply to you within 48 hours

**Office Hours:** Online using Zoom -Tuesdays 2:30-4:30 pm (weeks 2-16)



### Course Location – Online

**Canvas Online:** <https://sdccd.instructure.com>

Login: student ID - Password: your birth date mmddyyyyy format

### Canvas Login and Password

Type your Username: 10-digit College Student Identification (ID) number – add 3 zeros before 7-digit id

Type your Password: mmddyyyyy (birthdate with no hyphens, slashes, or spaces)

Example: 0009010101 (ID number used at registration), 06031980 (password for birthdate June 3, 1980)

### Canvas Tutorials

Canvas Student Overview - <https://vimeo.com/74677642>

Canvas Tutorials for Students - <https://www.sdccd.edu/about/departments-and-offices/instructional-services-division/online-learning-pathways-1/students/online%20student%20tutorials.aspx>

### Course Description

This course is a hands-on study of the fundamentals of PHP: Hypertext Preprocessor(PHP) coding. Students create dynamic-driven webpages in accordance with current professional standards. This course is designed for all students and professionals who wish to acquire skills in dynamic website creation and development.

Total lecture hours: 40 - 45, total lab hours: 24 – 27

## **Important Dates for Deadlines**

Add:	02-09-2024
Drop with Refund:	02-09-2024
Drop with no "W":	02-09-2024
Withdrawal:	04-12-2024
Pass/No Pass:	04-12-2024

## **Students with Disabilities or Special Needs**

**Please let me know if you have any special needs!**

Students with disabilities who may need academic accommodations are encouraged to discuss their authorized accommodations from Disability Support Programs and Services (DSPS) with their professors early in the semester so that accommodations may be implemented as soon as possible. Students that need evacuation assistance during campus emergencies should also meet with the instructor as soon as possible to assure the health and safety of students.

## **Requisites**

Advisory:

CBTE 101 with a grade of "C" or better, or equivalent &

CBTE 114 with a grade of "C" or better, or equivalent &

WEBD 152 with a grade of "C" or better, or equivalent

## **Transfer Applicability**

Associate Degree Credit & transfer to CSU

## **Student Learning Objectives**

Upon successful completion of the course the student will be able to:

1. Identify the major components and technologies needed to create and maintain a dynamic Web site.
2. Analyze the goals, purpose and mission for the Web site and develop the design documents based on this analysis.
3. Set up a local hosting environment using Apache and MySQL.
4. Control the layout using maintainable files required for a dynamic Web site.
5. Test Web pages for technical accuracy.
6. Evaluate the effectiveness of the Web page structure.
7. Publish a dynamic Web site to the Internet.

## Outline of Topics:

The following topics are included in the framework of the course but are not intended as limits on content. The order of presentation and relative emphasis will vary with each instructor.

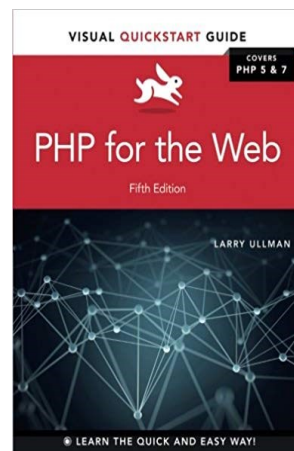
- I. Introduction to dynamic Web pages using PHP
  - A. Static vs. dynamic webpages
  - B. Describing a dynamic application
  - C. How dynamic applications are used
  - D. Goals, purpose and mission
  - E. Choosing a web server
  - F. Choosing an application server
  - G. Choosing a database
- II. Setting up the application server
- III. Setting up a dynamic page
- IV. Linking the SQL database and server application (i.e. PHP and MySQL)
  - A. Exploring the database connection from text editor
  - B. Creating a template to use with the Web site
- V. Building data entry forms
  - A. Building HTML forms
  - B. Inserting data
  - C. Displaying existing data in an HTML form
  - D. Updating records with a server behavior
  - E. Deleting records
- VI. Authenticating users
  - A. Creating a login form
  - B. Protecting page access using validation
  - C. Logging in the user using credentials
  - D. Logging out the user
- VII. Validating and testing
- VIII. Publishing a dynamic website to the Internet
- XVI. Validating CSS and HTML
- XVII. Publishing a website

## Textbook and Software

Educational pricing for software offerings can be found at <http://www.CollegeSoftware.org>. The Mesa College Bookstore can be accessed at <http://www.bookstore.sdccd.edu>.

### Required

Title	PHP FOR THE WEB <b>5th Edition</b>
Author	Larry Ullman
ISBN	978-0134291253
Publisher	Pearson Education
Publication Date	Copyright 2016
Textbook URL	<a href="https://larryullman.com/books/php-for-the-web-visual-quickstart-guide-5th-edition/">https://larryullman.com/books/php-for-the-web-visual-quickstart-guide-5th-edition/</a>
Textbook Code	<a href="https://github.com/LarryUllman/phpvqs-5ed">https://github.com/LarryUllman/phpvqs-5ed</a>



## Software / Hardware

You will need Internet access and a recent Internet browser.

Code editor - open source (some free) Mac or Windows:

- Adobe Brackets <http://brackets.io>
- Sublime Text - <https://www.sublimetext.com/>

XAMPP web server solution platform – free, open source for Mac or Windows:

- <https://www.apachefriends.org/index.html>

If you need a computer to use, go to the Learning Resource Center (LRC, on the fourth floor). Adobe Brackets and XAMPP is available in some classrooms.

The Foundation for the California Community Colleges has negotiated a special price for students, for both Mac and PC. Select the software package that needs your needs at <http://CollegeSoftware.org>. Mesa College Bookstore <http://www.bookstore.sdccd.edu> has a variety of software packages. Call the bookstore, visit their website, or stop by to see their current selection.

## Attendance Requirements

It is your responsibility to drop and withdraw from this course. If you find you cannot complete this course, you will need to drop it in order to avoid getting an F. I will not drop or withdraw you if it appears to me that you have been active in the course. I do not sign late drop forms. Following is the stated District policy:

- It is the student's responsibility to drop all classes in which he/she is no longer attending.

- It is the instructor's discretion to withdraw a student after the add/drop deadline due to non-participation.
- Any student who remains enrolled in a class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade in this class.
- Attendance: The final grade in this class will be affected by active participation, including attendance, as outlined in the Weekly Schedule section of this syllabus, which lists the point value awarded for each week in class participation.

## **Statement of Retention**

You must log onto Canvas or contact me by **the end of the first week**. This will demonstrate that you intend to complete the coursework. If you do not attend or participate in the course prior to this time, you will be dropped from the course for non-attendance. Your seat will be opened up to allow someone on the waiting list to add the course by the last day to add. Students, please discuss your plans to withdraw from class with me. There may be other options for you that may allow you to continue in class.

## **Code of Conduct**

Students are expected to adhere to the Student Code of Conduct at all times. Students who violate the Student Code of Conduct may be removed from class by the faculty for the class meeting in which the behavior occurred, and the next class meeting. For online classes: Student access to class is removed for one week (5 instructional days). I will not accept make up work, since it is at the discretion of the instructor. Incidents involving removal of a student from class will be reported to the college disciplinary officer for follow up. The Student Code of Conduct can be found in Board of Trustees Policy, BP 3100, Student Rights, Responsibilities, Campus Safety and Administrative Due Process posted on the District website at: <https://www.sdccd.edu/docs/District/policies/Student%20Services/BP%203100.pdf>.

Respectful behavior is expected of you in our online learning environment. Please read the guidelines: <http://www.sdccdonline.net/students/resources/NetiquetteGuidelines.pdf>

## **Accessibility of Course Material**

I have made every effort to make this course accessible to all students, including students with disabilities. If you encounter a problem accessing anything in this course, please contact me immediately. Students with disabilities should email me and also contact the college's Disabled Students Programs and Services (DSPS) office: City College DSPS webpage: <http://www.sdcity.edu/dsps/>, Mesa College DSPS webpage: <http://www.sdmesa.edu/dsps/>, Miramar College DSPS webpage: <http://www.sdmiramar.edu/campus/dsps/services>.

## **Discrimination / Harassment Policy**

The San Diego Community College District does not discriminate in its programs and activities on the basis of national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because they are perceived to have one or more

of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

Complaints of discrimination or harassment based on protected class, other than sex/gender, may be filed with the Site Compliance Officer (SCO) on your campus. For more information on how to file a complaint and/or to contact your SCO, please refer to the following link:

<https://www.sdccd.edu/students/complaint-process/index.aspx> and

<https://www.sdccd.edu/docs/District/procedures/District%20Governance/AP%203435.pdf> .

## **Title IX of the Educational Amendments**

Title IX of the Educational Amendments of 1972 prohibits discrimination based on sex in any educational institution that receives federal funding. The San Diego Community College District does not tolerate discrimination based on sex, gender identity, gender expression, or sexual orientation, including: sexual misconduct, sexual harassment, sexual violence, relationship or intimate partner violence, and stalking.

Students are asked to immediately report incidents to the Title IX Coordinator, Chris May, at (619) 388-6805 or by using the online reporting form available on the Title IX webpage:

<http://www.sdccd.edu/titleix> .

Students may also report incidents to an instructor, faculty member, staff member, or member of the College Police Department, all of whom are required by law to notify the Title IX Coordinator of the contents of the report. If a student wishes to keep the information confidential, the student may speak with a campus mental health counselor or with health services provider.

In accordance with Title IX, absences due to pregnancy or related conditions, including recovery from childbirth, shall be excused for as long as the student's doctor deems the absences to be medically necessary. Students must notify the instructor in a timely manner and shall be afforded the opportunity to establish make up work or other alternative arrangements. If a student elects to withdraw from the course on or after census, a "W" shall be assigned and the district will work with the student to ensure that the W is not considered in progress probation and dismissal calculations. For more information, you may contact the DSPS Office on your campus or the website at <http://dsps.sdccd.edu/> .

## **Attendance and Participation**

You are expected to attend class and begin the coursework assigned to you on the first week of the course. This is face to face class with required on-campus meetings. You must show continuous progress throughout the course or you may be dropped. Continuous progress is measured by attending class, participating in the class discussions, and submitting assignments. **If you run into difficulties, please let me know.**

## **Dropping a Class / Grades:**

It is your responsibility to drop all classes in which you are no longer attending / participating. I reserve the right to withdraw you after the add/drop deadline due to excessive absences / non-participation.

Students who remain enrolled in a class beyond the published withdrawal deadline as stated in the class schedule, will receive an evaluative letter grade (A, B, C, D, F) in this class.

A temporary grade of Incomplete ("I") may be assigned **in very rare cases**. Specifically, to be eligible for a grade of "I" a student must:

1. Request an Incomplete grade only after the published withdrawal deadline for the course. (Before that deadline the student should withdraw from the class with a "W.")
2. Have achieved at least a "C" average for all work and tests due before the withdrawal deadline. (Missing work and tests that were due before the withdrawal deadline will be counted as "F" when determining this average.)
3. Provide written documentation by a police report or a statement from a medical doctor on official stationery to verify one or more of the following:
  - A serious disaster, such as a major fire, flood, or earthquake.
  - A death in the student's immediate family.
  - A very serious medical issue with respect to the student.

If a grade of "I" is assigned, it must be cleared within one year or less. If the "I" is not cleared within the allowed time, it will change to the grade that would have been assigned at the normal end-date of the class—based only upon the work that had actually been submitted by the end date of the course. A grade of "I" should be viewed primarily as a humanitarian procedure that provides an opportunity for a good student to complete all the course requirements and to achieve the same grade that would have been assigned had a tragedy not occurred. A grade of "I" is not appropriate if used merely to provide additional time for a student to make up usual coursework that is overdue, incomplete, or unsatisfactory.

## Assessment Methods

This course will use a variety of methods to assess your learning of the course objectives. You will read the textbook, take short quizzes, and submit assignments. You may participate in discussion board topics with your classmates, applying what we learn in the readings to our outside world.

## Grading

Each activity is assigned a certain number of points. A rubric will accompany each assignment. Feedback will be provided and grades will be posted on Canvas.

A	90-100%	900 – 1000 points
B	80-89%	800 – 890 points
C	70-79%	700 – 790 points
D	60-69%	600 – 690 points
F	Below 59%	590 points and under

## Grading

Quizzes	11 @ 20 points	220 points	Introductions	10 points
Assignments	8 @ 50 points	400 points	Final Exam	70 points
Assignments	3 @ 100 points	300 points	<b>Total</b>	<b>1000 point</b>

## Due Dates and Lateness

Due dates will be announced for all activities and assignments. **Lateness will result in a loss of 10% of point value per week.** If you need more time, please ask.

## Extra Credit

Extra credit assignment will be offered.

## Assignment Resubmission

If you receive a low grade on an assignment, I MAY allow you to resubmit it, so you will learn.

## Schedule of Classes by Week

**Assignments and quizzes are due the following Tuesday at 11:59 pm unless specified.**

Week	Content to be Covered
1 – January 29	Chapter: 1 Getting Started with PHP  Topic: Getting started using PHP <ul style="list-style-type: none"><li>• Static vs dynamic web pages</li><li>• Setting up the application server using XAMPP</li><li>• Basics of writing PHP code</li></ul> Assignment 1 – Download and install XAMP (no points) Quiz 1 (20 points) Introductions (10 points)
2 – February 5	Chapter: 2 Variables  Topic: PHP variables and how to use them to display information  Assignment 2 – PHP Variables (50 points) Quiz 2 (20 points)
3 – February 12	Chapter: 3 HTML Forms and PHP  Topic: HTML forms and PHP <ul style="list-style-type: none"><li>• Sending form data</li><li>• Retrieving form data</li><li>• Displaying form data on the web page</li></ul> Assignment 3 – Form Results (50 points) Quiz 3 (20 points)



4 – February 20 19 <sup>th</sup> is holiday	<p>Chapter: 4 Using Numbers</p> <p>Topic: Using numbers in PHP</p> <ul style="list-style-type: none"> <li>• Operators</li> <li>• Calculations</li> <li>• Formatting functions</li> </ul> <p>Assignment 4 – Calculations (50 points) Quiz 4 (20 points)</p>
5 – February 26	<p>Chapter: 5 Using Strings</p> <p>Topic: Using strings in PHP</p> <ul style="list-style-type: none"> <li>• Concatenating</li> <li>• String functions</li> </ul> <p>Assignment 5 –Form Results 2 (50 points) Quiz 5 (20 points)</p>
6 – March 4	<p>Topic: Using control structures in PHP</p> <ul style="list-style-type: none"> <li>• 'if' conditional</li> <li>• 'switch' conditional</li> <li>• 'for' loop</li> </ul> <p>Chapter: 6 Control Structures</p> <p>Assignment 6 –Form Application (50 points) Quiz 6 (20 points)</p>
7 – March 11	<p>Chapter: 7 Using Arrays up to page 178</p> <p>Topic: Using arrays in PHP</p> <ul style="list-style-type: none"> <li>• Using index and key</li> <li>• 'for each' loop</li> <li>• Multidimensional arrays</li> </ul> <p>Assignment 7 –Arrays (50 points) Quiz 7 (20 points)</p>
8 – March 18	<p>Chapter: 8 Creating Web Applications up to page 228</p> <p>Topic: creating efficient applications</p> <ul style="list-style-type: none"> <li>• Using 'include' and 'require' statements</li> <li>• Constants</li> <li>• Posting form to same page / keeping data in form fields</li> </ul> <p>Assignment 8 –Form Project (100 points) Quiz 8 (20 points)</p>
<b>Spring Break March 25 to 30</b>	

9 – April 1	<p>Chapter: 9 Sessions and Cookies</p> <p>Topic: Keeping user information, persisting data across pages</p> <p>Assignment 9 – Cookies (50 points)</p> <p>Quiz 9 (20 points)</p>
10 – April 8	<p>Chapter: 10 Creating Functions</p> <p>Topic: Simple functions, arguments, returning values</p> <p>Quiz 10 (20 points)</p>
11 – April 15	<p>Chapter: 11 Files and Directories</p> <p>Topic: Reading, writing, uploading files</p> <p>Assignment 11 Files (50 points)</p> <p>Quiz 11 (20 points)</p>
12 – April 22	<p>Chapter: 12 Intro to Databases</p> <p>Topic: Introduction to Databases / Using phpMyAdmin</p> <p>The code / approach for this chapter has been revised and will be provided</p>
13 – April 29	<p>Chapter: 12 Intro to Databases</p> <p>Topic: Using MySQL, retrieving, inserting, deleting data</p> <p>The code / approach for this chapter has been revised and will be provided</p> <p>Assignment 12 – Database (100 points)</p> <p>Quiz 12 (20 points)</p>
14 – May 6	<p>Chapter: 13 Putting it All Together</p> <p>The code for this chapter has been revised and will be provided</p> <p>Assignment 13 – Final Project (100 points)</p>
15 – May 13	Work on Final Project
16 – May 20	Finish Up Work / Final Exam (70 points)
<b>May 25 at 11:59 PM is end of semester – All work due by May 25 at 11:59 PM</b>	