



Course Syllabus

Web Development with PHP and MySQL

1. COURSE INFORMATION

- Course Number & Name: CIS 86
Section Number: 71500
Semester & Year: Fall 2017
Lecture (days, time, location): Online
Lab (days, time, location): Thursdays, 6:30–9:40 pm, GC 202
Final Date and Time: Online, Dec. 11–16, 2017
Drop Policy: Withdrawal date w/o 'W' Sept. 8, 2017.
Withdrawal date with 'W' Nov. 18, 2017.
Prerequisites: Advisory:
 - CA 97A (Web and HTML programming)
 - CIS 37A (Introduction to C programming)
 - Eligibility for ENGL 1A and READ 53.

2. INSTRUCTOR INFORMATION

- Name: Mark Brautigam
Office (days, time, location): Thursdays, 6:00–6:30 pm, GC 114, or by arrangement.
We will use GC 202 if the room is available before class.
Cell Phone: 408-209-9641
E-mail: markb@mixed-up.com (checked regularly)
mark.brautigam@wvm.edu (checked infrequently)
Canvas (forwards to my main email)

3. REQUIRED COURSE MATERIALS

- Title: Learning PHP, MySQL & JavaScript: With jQuery, CSS & HTML5
Author: Robin Nixon
Publisher: O'Reilly
ISBN: 1491918667

4. COURSE DESCRIPTION

This is an introductory course on web server side programming using PHP and MySQL. This course covers basic PHP programming elements including variables, strings, arrays, files and forms processing. It covers MySQL database basics and how to create a database driven web application. This course may be offered via distance learning. Pass/No Pass Option. Acceptable for transfer to California State University.

5. STUDENT LEARNING OUTCOMES

- Students will demonstrate the ability to use the PHP programming language to create applications.
- Students will demonstrate the ability to use MySQL as a back end database for web applications.
- Students will demonstrate the ability to create a database driven web application with PHP and MySQL.



6. COURSE OBJECTIVES

Upon completion of the course the student should be able to:

- Understand basic PHP programming elements, variables, data types, operations, functions and control structures;
- Use PHP for handling user input from web forms, interacting with files and directories;
- Create a database and track data using MySQL;
- Use PHP to interface with a MySQL database via web forms;
- Create database driven web applications with PHP and MySQL.

7. COURSE REQUIREMENTS

You should expect to spend a minimum of 6 to 8 hours per week on assignments outside of class time. This course will cover a lot of material and does require a serious level of commitment of time and energy. Students should have enough time in the week to experiment with the code, complete research, and complete assignments. It is not advised that students take a vacation or work extremely heavy workloads when taking this course.

The student must write all code turned in. Presenting another person's work as your own, or presenting work not completed during the duration of the class (your old work or work completed in another class) will result in an automatic "F". Unless an assignment specifies otherwise, do not use copyrighted materials from the web, CDs, movies, magazines, books, or other printed sources.

This class meets for a total of about 50 hours. If a student misses 5 hours (1.5 nights) of class (10 percent of total class time), they could be dropped from the class.

8. COMPUTER and SOFTWARE

The following are required to complete the course requirements:

- Access to a computer with internet.
- WAMP server, WinSCP, NotePad++, PuTTY installation recommended, or their equivalents. All are free open source software.
- MAMP server, FileZilla, TextWrangler, and Terminal are equivalents for the Mac.

Suggestions:

- **FileZilla** is a cross platform FTP program that works on both Windows and Mac.
- **Brackets** is a cross platform code editor with syntax colors, and it works on both Windows and Mac.
- I will primarily use these two programs in class and provide support for them.

9. ASSIGNMENTS

- Weekly quiz: take via Canvas. Based on multiple-choice questions in the textbook.
- Weekly exercise: PHP exercises based on exercise experiments we do in the Thursday lab.
- Group project where we integrate each other's work into a larger whole.
- Half of your project grade is based on weekly progress.



10. QUIZZES AND EXAMS

There will be a quiz almost every week. The quiz will be multiple choice, about 10 to 20 questions, and will be administered through Canvas.

There will be a midterm exam and a final exam. The two exams will follow a similar format. Each exam will consist of two parts:

- A multiple choice portion similar to the weekly quizzes but longer
- A coding portion that requires you to spend about a week writing a longer project

11. GRADING

A	90 - 100	Quizzes	20%
B	80 - 89	Exercises	40%
C	70 - 79	Midterm	20%
NC	<70	Final Exam	20%

Late Work Policy

- Within 24 hours of due date: no penalty, you get 100% of your score.
- Within 72 hours of due date: 20% penalty, you get 80% of your score.
- After 72 hours of due date: 50% penalty, you get 50% of your score.
- After one week: no credit. (But you must still do it, or you will fall behind.)

12. CLASS ATTENDANCE

Students are expected to attend all sessions of each class.

Instructors may drop students from class if they fail to attend the first class meeting, or when accumulated unexcused hours of absence exceed 10 percent of the total number of hours the class meets during the semester. Moreover, an instructor may drop from the class any student who fails to attend at least one class session during the first three weeks of instruction.

It is the student's responsibility to drop from the class. Please note the following dates for drops: Drop by Sept. 8, 2017 without "W" and get a refund; Drop by Nov. 8, 2017 with "W" on your record and no refund.

FACULTY ABSENCE. If the instructor is not in attendance after 20 minutes from the scheduled start time of class, the class is cancelled and the students may leave.

13. CANVAS INFORMATION

Canvas is a new course management system adopted by the WVMCCD for all classes. If you took classes in the past, you may be used to Angel, but we are no longer using Angel. When you log into the system, you will see a listing of classes that you are taking. <https://wvm.instructure.com/>

The preferred way to log in to Canvas is not directly through Instructure, but through the link on the main Mission College web page.

14. ASSIGNMENTS SCHEDULE (Tentative)

Weekly materials and tasks:

- Multiple-choice Quiz
- Programming assignment
- Video lectures (Monday)
- Assignments are due on Thursday before class
- Labs will be on Thursday evenings

Week	Content	Lecture	Lab Date	Topic & Homework	Date Due
		Monday	Thurs.		Thurs.
1	—	8/28	8/31	Install xAMP Personal Introduction	9/7
2	Chapter 1	9/4	9/7	HTML Review Personal Site	9/14
3	Chapter 3	9/11	9/14	Introduction to PHP Variables, operators, expressions	9/21
4	Chapter 4–5	9/18	9/21	Control Structures Functions	9/28
5	Ch. 3, 4, 7 *	9/25	9/28	Strings Web Page Templates	10/5
6	Chapter 11	10/2	10/5	Forms	10/12
7	Review	10/9	10/12	Review for Midterm exam	10/19
8	Midterm Exam	10/16	10/19	Midterm Exam – 2 parts	10/26
9	Chapter 6	10/23	10/26	Arrays	11/2
10	Chapter 7	10/30	11/2	Files	11/9
11	Chapter 8	11/6	11/9	MySQL basics	11/16
12	Chapter 10	11/13	11/16	Accessing MySQL from PHP	11/30
13	Thanksgiving	11/20	—	Thanksgiving Break	—
14	Chapter 12	11/27	11/30	Cookies and Sessions	12/7
15	Review	12/4	12/7	Review for Final exam	12/14
16	Final Exam	12/11–16	—	Final exam – 2 parts	12/15–17

* Chapter 3: String types, Escaping characters, Multiple-line commands
 Chapter 4: Literals and Variables
 Chapter 7: Printf, Precision setting, String padding, Sprintf
 Supplementary materials to be supplied by the instructor



15. CHEATING POLICY

Dishonesty includes but is not limited to in-class cheating, out-of-class cheating, plagiarism, knowingly assisting another student in cheating or plagiarism, or knowingly furnishing false information to college staff, faculty, administrators or other officials. Following are definitions of in-class cheating, out-of-class cheating, plagiarism, and furnishing false information. These are not all-inclusive and the list itself is not meant to limit definition of cheating to just those mentioned.

- a. **In-class cheating:** during an examination or on any work for which the student will receive a grade or points, unauthorized looking at or procuring information from any unauthorized sources, or any other student's work.
- b. **Out-of-class cheating:** unauthorized acquisition, reading or knowledge of test questions prior to the testing date and time; changing any portion of a returned graded test or report and resubmitting as original work to be regraded; or presenting the work of another as one's own for a grade or points.
- c. **Plagiarism:** unauthorized use of expression of ideas from either published or unpublished work(s) as a student's own work for a grade in a class. This also includes the violation of copyright laws, including copying of software packages.
- d. **Furnishing false information:** forgery, falsification, alteration or misuse of college documents, records, or identification in class or in laboratory situations.

16. CODE OF STUDENT CONDUCT

It shall be the policy of the District to enforce a student code of conduct the purpose of which is to promote and maintain orderly conduct of a responsible student body in a manner compatible with the District and College function as an educational institution (Education Code 76030).

http://www.missioncollege.org/student_services/student_code.html

17. DISABILITY STATEMENT

Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact DISC (Disability Instructional Support Center) located in S2-201 (408-855-5085 or 408-727-9243 TTY) to coordinate reasonable accommodations for students with verifiable documentation.

ADA Statement: The American with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation required that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact DISC (Disability Instructional Support Center) located in S2-201 (408-855-5085 or 408-727-9243 TTY). <http://www.missioncollege.org/depts/disc/index.html>

18. SAFETY/EMERGENCY

According to Mission College guidelines, you have certain responsibilities when emergency procedures are initiated:

“It is the student’s responsibility to know the evacuation procedures, evacuation route, and assembly area for this classroom. In case of an emergency, you are to follow the directions of your instructor. When directed to evacuate the classroom, *be sure to take all of your belongings when you leave* and remain with your class in the assembly area until you receive further directions.”



Additionally, the Mission College Facilities and Safety Committee offers the following advice:

"Mission College is serious about safety and we urge you to increase your awareness of some basic emergency preparedness procedures while on campus. Here are some key things you should know:

Locate (in every classroom):

- Classroom emergency phone
- All evacuation exits from your classroom and the fastest way out of the building without using ANY elevators - Also know an alternate route in case your first choice is blocked.
- Designated assembly area for your building (map on classroom wall)
- Emergency Procedures for Campus Safety chart (on classroom wall)
- Nearest fire extinguisher and first aid kit

WVM-Alert - Emergency Notification

Free WVM-Alert will text, email and call you to alert you to campus emergency situations. Sign in to www.wvm.edu/emergency and give us your contact information ASAP! If you don't sign up, you won't be notified!

19. FEES

All fees are due and payable at the time of registration. Mission College will be enforcing the Pay-to-Stay registration payment policy effective Fall Semester 2011. This is the policy that allows Admission and Records to drop students for non-payment of fees. If the payment is not made at the due date, the student will be dropped from all classes for which they are currently registered.

Holds will be placed on students' records for fees and any other financial obligations owed to the college. Mission College will not allow a student to re-register in the college nor will the college forward transcripts or any other records to other institutions when those students have holds on their records. Degrees and certificates will also be held until all outstanding fees have been paid or cleared.

Instructional Material Fee

It is the policy of the West Valley-Mission Community College District that the Governing Board may require students to provide instructional and other materials required for credit and non-credit courses, provided that such materials are of continual value to a student outside of the classroom setting and provided that such materials are not solely or exclusively available from the District.

20. TUTORING INFORMATION

General Tutorial Center: Upon referral by an instructor or a counselor, students can enroll in the Supervised Tutoring course, IS 947, where they can receive assistance on the basis of a learning need. The tutoring is available for all subjects (for Math tutoring please visit the Math lab, S2-401). Tutoring is provided at no charge by qualified, trained tutors. Tutors can give students feedback on their course work, help them understand assignments and provide students strategies for improving their learning skills.

English-as-a-Second Language Lab: Multi-level computer, video and audio tape, or print materials for ESL students are available in the center. These learning materials help non-native speaking students increase skills in writing, grammar, listening, reading vocabulary and pronunciation of standard



American English in preparation for the workplace or college study. Students in the ESL laboratory can also participate in workshops and conversation groups.

Reading Lab: Reading and study skills are developed in the Reading Center with the creation of individualized, self-paced and multilevel programs for students. Multimedia computer software and high interest instructional materials are available to address students' needs. With the help of specially trained instructors, students can increase their skills in many areas, including: reading comprehension, speed reading, study skills, vocabulary, phonics, and spelling.

Mathematics Learning Center (MLC)

The Mission College Mathematics Department and the Mathematics Learning Center are committed to student success. In particular, the MLC offers educational support by offering numerous resources and services to all Mission College students with specific needs in the subject of mathematics. The MLC is a learning community where students come together to help and support each other in their mathematics course(s).

MLC services are free and available to registered Mission College students either currently enrolled in mathematics course(s) or with a desire to review previously studied material. Tutoring is conducted in several languages by faculty, staff, and trained peers who have excelled in the subject of mathematics. The Mathematics Learning Center is conveniently located on the 2nd floor of the main building in room S2-401. Students who are interested in receiving services, becoming a tutor, or having additional questions should stop at the center, visit our website at www.missioncollege.org/depts/math/mathhelp.asp, or call us at (408) 855-5320.

21. THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

(20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. For additional information, you may call 1-800-USA-LEARN (1-800-872-5327) (voice). Individuals who use TDD may call 1-800-437-0833.

22. SEXUAL HARASSMENT AND SEX DISCRIMINATION

In accordance with Title VII Section 1604, and Title IX of the 1972 Education Amendments, it is the policy of the West Valley-Mission Community College District to provide an educational, employment and business environment free of unwelcomed sexual advances, requests for sexual favors, and other verbal or physical conduct or communications constituting sexual harassment and/or sex discrimination as defined and otherwise prohibited by Federal and State law. Complaints by students or employees should be directed to Associate Vice Chancellor of Human Resources. The telephone number is (408) 741-2131.

23. MISSION COLLEGE IS A NO-SMOKING AND DRUG-FREE CAMPUS

The West Valley-Mission Community College District policy 5.18.1 prohibits "the unlawful use, distribution, sale, or possession of alcohol, narcotics, dangerous or illegal drugs, or other controlled substances, as defined in California statutes, on District property or at any function sponsored by the District or colleges." Also, the campus community voted it's preference for a non-smoking environment, and the decision is reflected in District policy: The College's non-smoking policy is enforced in all areas except for campus parking lots.



24. CODE OF STUDENT CONDUCT

The college has an obligation to specify those standards of behavior essential to its educational mission and campus life. The students who are in violation of the Code of Student Conduct are subject to disciplinary sanctions which apply at all times on campus as well as to any off-campus functions sponsored or supervised by the college.

25. GRIEVANCE PROCESS

The grievance process is a formalized process to ensure the timely resolution of conflict at the lowest possible level. The first step is the informal resolution stage, which involves the student who has a complaint and the staff member or specific group who is the other party in the grievance. The student must notify the staff person or representative of a group that she/he wishes to make an appointment for an informal meeting to review an action within ten (10) days of its occurrence. In the absence of the instructor or staff person and after a good faith effort to make contact, the grievant may directly contact the department chair. Additional information is available from the Vice President of Student Services.