Basic Course Information

Semester	**Spring 2014**	Instructor Name	**Omar Ramos**
Course Title & #	**CIS 214**	Email	**omar.ramos@imperial.edu**
CRN #	**20901**	Webpage (optional)	**https://imperial.blackboard.com**
Room	**2724**	Office	**Room 903**
Class Dates	**01/24 - 05/16**	Office Hours	**Please notify ahead of time**
Class Days	**Thursdays**	Office Phone #	**760-355-6500**
Class Times	**6:30 PM - 9:40 PM**	Office contact if student will be out or emergency	**760-355-6361**
Units	**3 Units**		

Course Description

This course introduces students to the PHP programming language, the MySQL relational database system commonly used to create dynamic websites. Topics include PHP syntax, using phpMyAdmin, creating tables and queries using SQL, web application security, frameworks, and other related topics. It also includes basics of using content management systems for managing website content. (CSU)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Use PHP to connect to a MySQL database and retrieve a Result Set. (ILO1, ILO2, ILO4, ILO5)
2. Use PHP logical and comparison operators, branching structures (if/switch), and loop structures (for, foreach, do, do/while). (ILO1, ILO2, ILO4, ILO5)
3. Debug common PHP programming mistakes and setup a local development environment on home PCs. (ILO1, ILO2, ILO4, ILO5)
4. Use the PHP manual to lookup built-in PHP functions and create user defined functions and classes. (ILO1, ILO2, ILO4, ILO5)

Course Objectives

Upon satisfactory completion of the course, students will be able to:
1. Use PHP logical and comparison operators, branching structures (if/switch), and loop structures (for, foreach, do, do/while)
2. Use the PHP manual to lookup built-in PHP functions (http://us2.php.net/manual/en/funcref.php)
3. Create PHP functions
4. Create PHP classes
5. Create and retrieve values from PHP's POST, GET, COOKIE, and SESSION global arrays
6. Use phpMyAdmin to create/edit MySQL database tables
7. Use PHP to connect to a MySQL database and retrieve a Result Set
8. Analyze how PHP and MySQL have been used to create Content Management Systems
9. Analyze the benefits of using a PHP Web Application Framework
10. List and explain the most common types of web application security vulnerabilities
11. Debug common PHP programming mistakes
12. Setup a local development environment on home PCs

Textbooks & Other Resources or Links

1. Head First PHP and MySQL, Lynn Beighley and Michael Morrison, 2008. ISBN-13: 978-0596006303
1. Head First SQL, Lynn Beighley, 2007.

ISBN-13: 978-0596526849

Course Requirements and Instructional Methods

All homework assignments and projects must be turned in to pass this course.

Also, you will be expected to attend class and read all of the required chapters for the week **PRIOR** to coming to class. If you keep up with the coursework you will be able to learn a lot more and will be able to ask better questions about the material while in class.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Required Information—discretionary language
This section is where faculty would list their grading practices and grading scale, including point values and totals. Consider adding: final grade calculation, rubrics, late assignments, and other grading practices.

Grading:	Attendance and Lab Participation:	150 points
	Homeworks:	300 points
	Quizzes:	150 points
	Projects:	400 points
	Total Points:	**1000 points**
Grading Scale:	**A**	**90%+**
	B	**80%+**
	C	**70%+**
	D	**60%+**
	F	**59% and below**

To receive credit, homework must be turned in on time at the beginning of each class session (**late homework assignments will not be accepted**). Due to the length of time that will be given for each project, students must turn in everything completed on the project due date to receive credit (**late project assignments will not be accepted**). Quizzes will be conducted via Blackboard. They will be generally be short and will be based off of homework, lecture and possibly lab materials already covered. **Your attendance in class is important**.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.

- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Additionally:
- There will be two homework assignments each week which will be based off of the current week's readings in the book.
- There will be one quiz each week.
- You will be expected to read 2 chapters each week from the books that will be used in the course and I expect everyone to have a copy of the book by Week 2, though you should get started with Chapter 1 & 2 for Week 1 so please order your copies online or buy them in the bookstore as soon as you can.
- For any code you are required to turn in I'll expect it to be posted online at http://spaces.imperial.edu/students using SFTP to upload your files to the server and I'll expect it to be turned in within Blackboard too (for Blackboard you'll have to gather your files and ZIP them and upload the ZIP file to Blackboard).
- There will be 3-6 projects during the semester, which will demonstrate that you've gained the required knowledge to meet the Student Learning Outcomes for the course.

Classroom Etiquette

- Food and Drink are prohibited in all classrooms.   Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

- Plagiarism is to take and present as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to correctly 'cite a source', you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using materials, or assisting others in using materials, which are prohibited or inappropriate in the context of the academic assignment in question.

  Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment ;(c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment, (e) use of a commercial term paper service

Additional Help – Discretionary Section and Language

- Blackboard support center: http://bbsupport.imperial.edu (Call 24/7: 1-855-532-6983)
- Learning Labs: There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Learning Services (library). Please speak to the instructor about labs unique to your specific program

- Library Services: There is more to our library than just books. You have access to tutors in the learning center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313 if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see http://www.imperial.edu/students/student-health-center/. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities please refer to the IVC General Catalog available online at http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/.

Information Literacy

Imperial Valley College is dedicated to help students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/

Anticipated Class Schedule / Calendar

Date or Week	Activity, Assignment, and/or Topic	Topics
Week 1	Syllabus & Introduction Labs 1 & 2 Homeworks 1 & 2 Quiz 1 Head First SQL Chapters 1 and 2	Data and Tables The SELECT statement
Week 2	Labs 3 & 4 Homeworks 3 & 4 Quiz 2 Head First SQL Chapters 3 and 4	DELETE and UPDATE Smart Table Design
Week 3	Labs 5 & 6 Homeworks 5 & 6 Quiz 3 Head First SQL Chapters 5 and 6	ALTER Advanced Select
Week 4	Labs 7 & 8 Homeworks 7 & 8 Quiz 4 Head First SQL Chapters 7 and 8 Project 1 Overview/Start	Multi-table Database Design Joins and Multi-table Operations
Week 5	Labs 9 & 10 Homeworks 9 & 10	Subqueries Outer joins, Self Joins,

	Quiz 5 Head First SQL Chapters 9 and 10 Project 1 Due	and Unions
Week 6	Labs 11 & 12 Homeworks 11 & 12 Quiz 6 Head First SQL Chapters 11 and 12	Constraints, Views, and Transactions Security
Week 7	Labs 13 & 14 Homeworks 13 & 14 Quiz 7 Head First PHP and MySQL Chapters 1 and 2	Add Life to Your Static Pages Connecting to MySQL
Week 8	Labs 15 & 16 Homeworks 15 & 16 Quiz 8 Head First PHP and MySQL Chapters 3 and 4	Create and Populate a Database Realistic and Practical Applications
Week 9	Labs 17 & 18 Homeworks 17 & 18 Quiz 9 Head First PHP and MySQL Chapters 5 and 6 Project 2 Overview/Start	Working with Data Stored in Files Securing Your Application
Week 10	Labs 19 & 20 Homeworks 19 & 20 Quiz 10 Head First PHP and MySQL Chapters 7, 7.5 and 8 Project 2 Due	Building Personalized Web Apps Eliminate Duplicate Code Harvesting Data
Week 11	Labs 21 & 22 Homeworks 21 & 22 Quiz 11 Head First PHP and MySQL Chapters 9 and 10	String and Custom Functions Regular Expressions
Week 12	Labs 23 & 24 Homeworks 23 & 24 Quiz 12 Head First PHP and MySQL Chapters 11 and 12	Drawing Dynamic Graphics Syndication and Web Services
Week 13	Review and Final Project 1 Overview/Start	TBD
Week 14	Final Project 1 Due	
Week 15	Review and Final Project 2 Overview/Start	TBD
Week 16	Final Project 2 Due	