ROCK VALLEY COLLEGE
BUSINESS/COMPUTERS AND INFORMATION SYSTEMS DIVISION
WEB234

FALL 2015

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WEB 234   **– PHP Programming**   **PCS Code –1.2**

IAI –None

COURSE DESCRIPTION: This course will cover the basics of PHP and MySQL database design, advanced database connectivity techniques, and focus on building personal, business, and e-commerce applications. Students will learn basic and advanced object-oriented programming techniques, using libraries and frameworks, and integrating PHP and AJAX applications. These are the techniques necessary to prepare students to build server-side enterprise web applications..

Prerequisite: WEB 101

Credits: 4   **Lecture:**   3   **Lab:** 2

Method(s) of Delivery (mark all that apply):   **Face to Face___X__ Online___X_ Hybrid____**

STUDENT LEARNING OUTCOMES
This course addresses the following student learning outcome(s). The student will be able to:

	Communicate effectively.
	Integrate technology into all fields of knowledge and expression.
X	Demonstrate competency in critical thinking.
	Respect and work effectively with persons of diverse backgrounds and abilities.
	Demonstrate the behaviors of ethical and socially responsible citizens.
	Demonstrate personal wellness.

COURSE OBJECTIVES
Upon successful completion of this course, the student will be able to:
1. Use and define PHP terms.

2. Identify PHP components and explain, in general terms, how they work.

3. Understand the ways in which PHP can be used to design and develop websites.

4. Understand PHP Constructs

5. Install and Utilize the LAMP environment

6. Understand Apache and PHPMyAdmin administration

7. Identify and understand commands and procedures of MySql databases

8. Identify and Utilize AJAX in PHP websites

9. Identify and utilize Javascript in PHP code

COURSE TOPIC OUTLINE
Topics to be covered may include some or all of the following:
1. Installation and setup of Xampp

2. PHP variables and operators

3. MySql and control structures

4. Forms and sessions

5. Cookies and formatting strings

6. Arrays

7. Regex and intermediate forms

8. Error handling & sending form content via email

9. String manipulations and input validation

10. PHP Profiles

11. Image Galleries

12. CMS (Content Management Systems)

13. Final project where students create personal or company website

METHOD(S) OF STUDENT ASSESSMENT

Student assessment methods may include some or all of the following:

1. Reading

2. Discussion Forum

3. Watching podcasts

4. PHP Web Development Labs

5. Final Project

REQUIRED READINGS AND SUPPLIES

1. Beginning PHP5, Apache, and MySQL Web Development

2. Windows or Mac Computer

3. Xampp Software

4. Notepad++ (PC) Or to TextWrangler (MAC)

RECOMMENDED READINGS AND SUPPLIES

1. http://www.php.net/manual/en/index.php

2. http://www.learnphp-tutorial.com/

DATE SUBMITTED

Spring, 2015; C.Konkol