GAVILAN COLLEGE
5055 Santa Teresa Blvd
Gilroy, CA 95020

Course Outline

COURSE: CSIS 88 DIVISION: 50 ALSO LISTED AS:

TERM EFFECTIVE: Fall 2011 **Inactive Course**

SHORT TITLE: PHP PROGRAMMING

LONG TITLE: PHP Programming

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
4	18	Lecture:	3	54
		Lab:	3	54
		Other:	0	0
		Total:	6	108

COURSE DESCRIPTION:

PHP is a programming language for writing server-side, cross platform, HTML-embedded scripts. Topics include introduction to PHP and syntax, configuring a Web server for use with PHP, programming in PHP using basic scripts with conditional constructs, loops, functions, operators, arrays, databases and data files, email, forms, and cookies. This course has the option of a letter grade or pass/no pass. May be repeated three times for credit. ADVISORY: CSIS 6 or HTML experience.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES
- L - Standard Letter Grade
- P - Pass/No Pass

REPEATABILITY: R - Course may be repeated
Maximum of 3 times

SCHEDULE TYPES:
- 02 - Lecture and/or discussion
- 03 - Lecture/Laboratory
- 04 - Laboratory/Studio/Activity
- 72 - Dist. Ed Internet Delayed

STUDENT LEARNING OUTCOMES:

1. Create basic PHP scripts and run them on a browser
ILO: 3, 7, 2. 1
Measure: Programs, homework
2. Write PHP scripts that access and modify data
ILO: 3, 7, 2
Measure: Programs, homework, projects
3. Write PHP scripts that use forms
ILO: 3, 7, 2
Measure: Programs, homework, quizzes

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Inactive Course: 09/26/2011
Note: Students that repeat this class will learn new features and continue practicing their skills under teacher supervision. Both the Web and the Web languages are changing each year.
WEEK 1-3 9/9 HOURS
Lecture
Writing basic PHP programs
Creating and executing PHP scripts
PHP building blocks
Numbers, strings, literals and variables
Scalars, arrays, operators, and functions
Creating HTML forms
Creating form controls
Submitting forms
Homework/Lab
Read the chapters and do the programs in the chapters and exercises
Write basic PHP scripts and submit them to a browser
Use numbers, strings, literals and variables in PHP scripts
Use scalars, arrays, operators, and functions in PHP scripts
Performance objectives
Create and execute successfully PHP scripts using basic programming elements
Create PHP scripts that use arrays and functions for browser use
WEEK 4-6 9/9 HOURS
Lecture
Getting and using data from a form
Using e-mail address books and environment variables
Working with constants, dynamic variables, and types
Writing conditional statements
Using if, switch, for, while, and break statements
Homework/Lab
Read the chapters and do the programs in the chapters and exercises
Write programs that use data from forms, e-mail address books, and environment variables
Write programs that use conditional statements and loops
Performance objectives

Create programs that use data from forms, e-mail address books, and environment variables.
Create programs that use conditional statements and loops
WEEK 7-9 9/9 HOURS
Lecture
Using functions and included files
PHP variables and references
Creating, iterating and using arrays
Working with list functions
Mid-term quiz or test
Homework/Lab
Read the chapters and do the programs in the chapters and exercises
Write programs that use functions, included files, PHP variables and references
Write programs that create, iterate, and use arrays
Performance objectives
Create programs that use functions, included files, PHP variables and reference
Create programs that create, iterate, and use arrays
WEEK 10-12 9/9 HOURS
Lecture
Using cookies and advanced cookie techniques
Working with files and directories
A page hit counter
Working with directories
Sending and receiving e-mail
Manipulating files
Homework/Lab
Read the chapters and do the programs in the chapters and exercises
Write PHP scripts that create, use, and delete cookies
Write PHP scripts that modify and use files
Write PHP scripts that create and read e-mail
Write PHP scripts that manipulated folders
Performance objectives
Create PHP scripts that create, use, and delete cookies
Create PHP scripts that modify and use files and folders
Create PHP scripts that create and read e-mail
WEEK 13-15 9/9 HOURS
Lecture
Relational database and SQL use
SQL commands and use
Database implementation
Accessing and changing database items
Using advanced PHP facilities
Using MySQL databases
Working with resultsets
Homework/Lab
Read the chapters and do the programs in the chapters and exercises

Write programs that use and modify MySQL databases
Write programs that use resultsets
Performance objectives
Create programs that use and modify MySQL databases
Create programs that use resultsets
WEEK 16-17 4/6 HOURS
Lecture
Using classes and objects
Defining and instantiating a class and using inheritance
Using application templates
Debugging PHP scripts
Error message management in PHP
The art and practice of debugging
Homework/Lab
Write programs that define and instantiate a class, and use inheritance
Write programs that use application templates
Debug PHP scripts
Performance objectives
Create programs that define and instantiate a class, and use inheritance
Create programs that use application templates
Locate and fix bugs in PHP scripts
WEEK 18 2 HOURS
Final projects and final test
ASSIGNMENTS:
Included in content section.

METHODS OF INSTRUCTION:
Lecture, demonstrations, homework, projects, tests, quizzes.

METHODS OF EVALUATION:
This is a degree-applicable course, but substantial writing assignments are NOT appropriate, because the course primarily:
Is computational
The problem-solving assignments required:
Homework problems
Quizzes
Exams
The types of skill demonstrations required:
Class performance
Performance exams
The types of objective examinations used in the course:
Multiple choice
True/false
Matching items
Completion
Other category:
None

The basis for assigning students grades in the course:
Writing assignments: 0% - 0%
Problem-solving demonstrations: 50% - 70%
Skill demonstrations: 20% - 30%
Objective examinations: 10% - 30%
Other methods of evaluation: 0% - 0%

REPRESENTATIVE TEXTBOOKS:
Required:
Welling, "PHP and MySQL Web Development", Addison-Wesley, 2008

ISBN: 0672329166
Reading level of text: 12 grade Verified by: dvt

ARTICULATION and CERTIFICATE INFORMATION
Associate Degree:
CSU GE:
IGETC:
CSU TRANSFER:
Transferable CSU, effective 200530
UC TRANSFER:
Not Transferable

SUPPLEMENTAL DATA:
Basic Skills: N
Classification: I
Noncredit Category: Y
Cooperative Education:
Program Status: 1 Program Applicable
Special Class Status: N
CAN:
CAN Sequence:
CSU Crosswalk Course Department: CSIS
CSU Crosswalk Course Number: 88
Prior to College Level: Y
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: C
Maximum Hours:
Minimum Hours:
Course Control Number: CCC000362062
Sports/Physical Education Course: N
Taxonomy of Program: 070710