

CIST 2351 - PHP Programming I (version 201003L)

Course Title Course Development Learning Support

PHP Programming I Standard No

Course Description

An introductory PHP programming course that teaches students how to create dynamic websites. Topics include: PHP and basic web programming concepts, installing PHP, embedding PHP in HTML, variables and constants, operators, forms, conditional statements, looping, arrays, and text files.

Pre-requisites

Pre-requisites: All Required

CIST 1305 - Program Design and Development (201003L)
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CIST 1510 - Web Development I (201003L)

Co-requisites

Co-requisites: None

Course Length

	Minutes	Contact Hour	Semester Credit	WLU
Lecture:	1500	30		
Lab 2:	1500	30		
Lab 3:	2250	45		
Total:	5250	105	4	
Semester Credit Hours:			4	161.25
Breakout Detail of Lab 3				
Practicum/Internship	0	0		
Clinical	0	0		

Competencies & Outcomes

Order	Description	Lecture	Lab 2	Lab 3	Total Min	Credit Hrs	Pract Intern	Clinical
1	Basic PHP and Web Programming Concepts	150	114	320	584	0	0	0
Order	Description					Learning Domain	Level of Learning	
1	Understand how web browsers and web servers work					Cognitive	Comprehension	
2	Discuss the history of PHP					Cognitive	Comprehension	
3	Demonstrate how to install PHP and a web server on a PC					Psychomotor	Guided Response	
2	Constants, Variables, and Operators	250	265	320	835	1	0	0
Order	Description					Learning Domain	Level of Learning	
1	Construct a PHP application using constants and variables					Psychomotor	Complex Response	

	2	Construct PHP applications using assignment, arithmetic, comparison, and logical operators					Psychomotor	Complex Response
3	Forms	150	164	320	634	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Understand how to create forms and pass data from an input form to a second form					Cognitive	Comprehension
	2	Construct single and two-form PHP applications					Psychomotor	Complex Response
4	Conditional Statements and Loops	250	265	330	845	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Construct a PHP application using conditional statements					Psychomotor	Complex Response
	2	Construct a PHP application using loops to repeat statements					Psychomotor	Complex Response
5	PHP and Programmer Defined Functions	250	264	320	834	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Integrate PHP functions in a PHP application					Psychomotor	Complex Response
	2	Integrate programmer defined functions in a PHP application					Psychomotor	Complex Response
6	Sequential Arrays	250	265	320	835	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Understand sequential array terminology and concepts					Cognitive	Comprehension
	2	Construct a PHP application utilizing a sequential array					Psychomotor	Complex Response
7	Text Files	200	163	320	683	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Construct a PHP application that will read and display text file data					Psychomotor	Complex Response
	2	Construct a PHP application that will update text file data					Psychomotor	Complex Response
Competency Totals:		Lecture 1500	Lab 2 1500	Lab 3 2250	Total Min 5250	Cred Hrs 4	Pract Intern 0	Clinical 0