

# ActiveNET

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## PHP Course Content

<b>Overview Of PHP</b> Static vs. Dynamic Web Sites Dynamic Content from Databases Developing Dynamic Internet Applications Client-Side Scripting vs. Server-Side Scripting Overview of PHP Advantages and Capabilities Configuring PHP.INI PHP vs. ASP	<b>Basic Scripting and Looping Constructs</b> PHP Scripting Fundamentals Print Statement Code Blocks Primitive Data Types Defining Constants and Variables Looping Constructs While Do... While For Exit & Break
<b>Conditional Constructs</b> True and False Expressions If, Else and Elseif Switch/Case Statement The ? (Ternary) Operator Timestamps	<b>Introduction to the Apache Web Server</b> Apache Configuration Files Configuring Apache for PHP WWW Sites within Apache Apache Virtual Hosts Website Properties
<b>PHP Functions</b> Introduction to Functions Declaring Functions Scope Passing Arguments to Functions Local and Global Scope Passing Arguments to Functions by Value and Reference Returning Values from a Function Using Include Files The Require Statement Recursion Dynamic Function Calls Predefined PHP Functions	<b>PHP Operators</b> Logical Operators Relational Operators Bitwise Operators Other Operators
<b>Arrays in PHP</b> What are Arrays? Usage of Arrays in PHP Array Indexing Initializing Arrays Operating on Arrays Sorting Arrays One-Dimensional Arrays	<b>Working with Databases and Forms</b> Configuring PHP For Database Support PHP's Database APIs PHP's SQL API MySQL vs. Access MySQL vs. SQL Server Database Drivers Database Driver Class Wrappers

Multi-Dimensional Arrays Associative Arrays Array Functions Forms and Arrays in Web Applications	ODBC Simple SQL Queries via PHP Tracking Visitors with Session IDs Populating Forms Retrieving Data from Forms
<b>Working with Data Files in PHP</b> Searching File Contents With Regular Expressions Changing and Editing File Contents Splitting and Joining Information Inside Files String Functions Regular Expression Functions Reading, Writing and Deleting Files Handling File Permissions File Locking Reading Directory Contents Creating and Deleting Directories	<b>Enabling E-Commerce</b> Required Characteristics of an E-Commerce Site Authentication and Authorization Data Validation Building a Custom Shopping Cart Persisting Shopping Cart Data Over Multiple Pages Criteria for Evaluating Third Party Shopping Cart Solutions Open Source vs. Commercial Shopping Cart Solutions Order Processing via the Web Implementing Order System Security using SSL Using Mail Servers (SMTP and Sendmail) for Client Communication Configuring E-mail Output Parameters
<b>Configuring and Using MySQL</b> MySQL as a Client/Server Solution Introduction to MySQL Capabilities as a Powerful RDBMS Installing and Configuring MySQL Connecting to MySQL PHP Functions Specific to MySQL Executing SQL Calls Select Insert Fetch Update Delete Using PHP MyAdmin to configure MySQL	<b>Using Cookies with PHP</b> Purpose of Cookies Cookie Myths Setting Cookies Retrieving Cookies Expiring Cookies Deleting Cookies Storing Arrays in Cookies
<b>Miscellaneous PHP Tasks</b> Error Logging Session Management & Maintaining State Web Application Architecture Using Environment Variables Changing Execution by Redirecting to Other URLs Embedding JavaScript within PHP Using the HTTP Protocols to Pass Data Showing Different Content to Different Browsers Getting IP Addresses from Visitors	<b>One free Project Specification</b> <b>Introduction to Joomla, Wordpress, Drupal</b>