

Course Name : Test Prep – PHP 7 Certification
Duration : 4 Days
Skill Level : Intermediate

Course Description :

Test Prep: PHP Certification is a test preparation and PHP review course – it does not teach PHP. The course will guide you through an in-depth, intense review of all of the major topics within the ten certification areas. Plus, it contains important information about the exam itself and strategies for answering the exam questions.

MODULE 1: PHP BASICS

- Syntax
- Operators
- Variables
- Control Structures
- Language Constructs and Functions
- Namespaces
- Extensions
- Config
- Performance/bytecode caching

MODULE 2: FUNCTIONS

- Arguments
- Variables
- References
- Returns
- Variable Scope
- Anonymous Functions, Closures
- Type Declarations

MODULE 3: DATA FORMATS & TYPES

- XML Basics
- SimpleXML
- XML Extension
- Webservices Basics
- SOAP
- JSON
- DateTime
- DOMDocument

MODULE 4: WEB FEATURES

- Sessions
- Forms
- GET and POST data
- Cookies

- HTTP Headers
- HTTP Authentication
- HTTP Status Codes

MODULE 5: OBJECT ORIENTED PROGRAMMING

- Instantiation
- Modifiers/Inheritance
- Interfaces
- Return Types
- Autoload
- Reflection
- Type Hinting
- Class Constants
- Late Static Binding
- Magic (_*) Methods
- Instance Methods & Properties
- SPL
- Trait

MODULE 6: SECURITY

- Configuration
- Session Security
- Cross-site Scripting
- Cross-site Request Forgeries
- SQL Injection
- Remote Code Injection
- Email Injection
- Filter Input
- Escape Output
- Encryption, Hashing Algorithms
- File Uploads
- PHP Configuration
- Password Hashing API

MODULE 7: I/O

- Files
- Reading
- Writing
- File System Functions
- Streams
- Contexts

MODULE 8: STRINGS & PATTERNS

- Quoting
- Matching
- Extracting
- Searching
- Replacing
- Formatting
- PCRE
- NOWDOC
- Encodings

MODULE 9: DATABASES & SQL

- SQL
- Joins
- Prepared Statements
- Transactions
- PDO

MODULE 10: ARRAYS

- Associative Arrays
- Array Iteration
- Array Functions
- SPL, Objects as Arrays
- Casting

MODULE 11: ERROR HANDLING

- Handling Exceptions
- Errors
- Throwables

MODULE 12: CONCLUSION

- QA
- Useful References and Books
- Feedback