Fruto Academy PHP Developer Course Syllabus

Course Overview:
Welcome to the Fruto Academy PHP Developer Course! This comprehensive program will provide you with the skills and knowledge needed to become a proficient PHP developer. Throughout this course, you'll learn the fundamentals of web development using PHP, database integration, and building dynamic web applications.

Course Duration: 12 weeks

Week 1-2: Introduction to PHP Programming
- Understanding web development concepts
- Introduction to PHP and its role in web development
- Setting up PHP environment and IDE

Week 3-4: PHP Basics
- Variables, data types, and operators
- Control structures: conditionals and loops
- Functions and user-defined functions
- Handling form data and processing user input

Week 5-6: Working with PHP and MySQL
- Introduction to relational databases and SQL
- Setting up a MySQL database
- Connecting PHP applications to a MySQL database
- Executing queries and retrieving data

Week 7-8: Object-Oriented PHP
- Object-oriented programming (OOP) concepts in PHP
- Creating classes and objects in PHP
- Implementing inheritance and encapsulation
- Building object-oriented web applications

Week 9-10: Building Dynamic Web Applications
- Introduction to web application architecture
- Server-side scripting and client-side interactions
- Templating and dynamic content generation
- Integrating forms and user authentication

Week 11: PHP Frameworks (e.g., Laravel)
- Introduction to PHP frameworks and their benefits
- Setting up a Laravel project
- Building routes, controllers, and views
- Database migrations and Eloquent ORM

Week 12: Final Project and Deployment
- Applying PHP skills to a real-world project
- Deploying PHP applications to web servers
- Final project: Develop and deploy a complete dynamic web application using a PHP framework

Assessment and Certification:
- Weekly coding assignments: 40%
- Midterm project (PHP application development): 20%
- Final project: 30%
- Participation and quizzes: 10%

Recommended Resources:
- "PHP and MySQL Web Development" by Luke Welling and Laura Thomson
- "Laravel Up and Running" by Matt Stauffer
- Online tutorials and documentation for PHP and Laravel

Note: This syllabus is subject to adjustment based on instructor discretion and the evolving landscape of PHP development.

For inquiries, contact us at info@frutoacademy.com or visit www.frutoacademy.com.