

# Course Proposal

<b>Course</b>	<i>Dynamic Duo – PHP &amp; MySQL on Apache</i>
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<b>Course Details- A <i>Dynamic Website</i> primer using PHP and MySQL.</b>	<b>Maximum Number of Students</b> (eg: 8, 10, 15)	10
<b>Who should attend</b> – anyone wishing to create a dynamic website	<b>No. of sessions</b>	4, 6, 8
Add speed and flexibility to your website by using PHP and MySQL. Save time and money if you separate your design and the content. Write one page for each kind of information you want to be able to present, not a page per item. Forums, mailing lists, storefronts and shopping carts - these are dynamic sites that pass information back and forth while you sleep. By the end of this course you can expect to have a grasp of what's involved in building a database-driven Website. Learn the basics of PHP and Structured Query Language as supported by MySQL, one of the most popular free database engines available today. Most importantly, you'll come away with everything you need to get started on your very own database-driven site in no time!	<b>No. of hours per session</b>	4, 3, 2.5 respectively
	<b>Day/ Evening/ Weekend</b>	D/E/W
	<b>Times</b>	
	<b>Prerequisite knowledge</b> – Understanding of HTML, able to manipulate files and creat folders.	
<b>What participants are required to bring.</b>	Thumb drive, Imagination	
<b>Resources or equipment required for this course by the college.</b>	Computers, projector, Apache, PHP, MySQL loaded and tested, Admin rights.	
<b>ADDITIONAL costs participants may need to incur or that the College may need to acquire for the course to function properly.</b> <b>Also additional information to better assess the course.</b>	Forums, mailing lists, storefronts and shopping carts – these are dynamic sites that pass information back and forth while you sleep. This is the stuff website dreams are made of. This is the stuff more than 80% of websites are made of. So, to those looking to make a leap into server-side programming and comfortable with simple HTML, by the end of this course you can expect to have a grasp of what's involved in setting up and building a database-driven Website. You'll also learn the basics of PHP and Structured Query Language as supported by MySQL, one of the most popular free database engines available today. Most importantly, you'll come away with everything you need to get started on your very own database-driven site in no time!	
<b><u>Note</u></b> <i>As this course is linear, lessons are adjusted to the speed of the overall class.</i>		

## Course Outline

Session	Content	Objectives	Outcomes
1a	Installing MYSQL on Windows How to Get MYSQL Installing Apache on Windows Starting Apache for the First Time Installing PHP on Windows . Integrating PHP with Apache on Win Testing Your Installation	Have software up and running on appropriate machines. One test machine to load software.	Workable server.
1b	The Basics of PHP Scripts Variables Data Types Operators and Expressions Constants Flow Control Functions in PHP Loops Code Blocks and Browser Output Working with Functions Working with Arrays and Objects	Exercises and tests to modify code learned.	Basic knowledge of PHP.
1c	Working with Strings, Dates, and Times Working with Forms Working with Cookies & User Sessions Working with Session Variables Working with Files and Dilectories Working with the Server Environment Working with Images	Exercises and tests to modify code learned Introduction to MySQL	Extended knowledge of PHP
1d	PHP and MYSQL Intergration Understanding the Database Design Learning Basic SQL Commands Interacting with MYSQL Using PHP Creating an Online Storefront <b>And /Or</b> Creating a Shopping Cart Mechanism	Exercises and tests to modify code learned Set up 2 live examples.	Finish a real world project.

2a			
2b			
2c			
2d			