



**C. U. SHAH UNIVERSITY**  
**Wadhwan City**

**FACULTY OF:** - Computer Science  
**DEPARTMENT OF:** - Master of Computer Applications  
**SEMESTER:** -IV  
**CODE:** - 5CS04MPH1  
**NAME:** – PHP PROGRAMMING

**Teaching and Evaluation Scheme**

Subject Code	Name of the Subject	Teaching Scheme (Hours)				Credits	Evaluation Scheme								
		Th	Tu	Pr	Total		Theory				Practical (Marks)				Total
							Sessional Exam		University Exam		Internal		University		
							Marks	Hrs	Marks	Hrs	Pr/Viva	TW	Pr		
5CS04MPH1	PHP PROGRAMMING	4	-	-	4	4	30	1.5	70	3	---	---	---	100	

**Objectives**

- The internet has drastically changed the way we communicate. As web technology dissolves the world’s borders, a new “global community” has emerged.
- The course will focus on methods of using interconnected networks to effectively distribute text and information.
- Students will learn and implement HTML to construct a website with consideration to course topics.
- We seek an advanced mastery of web-development techniques that use databases to create content—HTML form objects, database connections, and server-side programming. We will use open-source MySQL as our database, structured query language (SQL), and PHP for programming.

**Prerequisites**

- The course is for advanced students with career or program-related needs for Web applications training.
- Students should be familiar with Windows operating systems and with technology for static web pages

**Course Outline**

Sr. No.	Course Contents	Hours
1	<b>Introduction to HTML &amp; JAVASCRIPT</b> Introduction to HTML and tags - html, head, body, table and styling. Introduction to Javascript, Features, Writing Methods in HTML, Data Types, Variable Creations, Array, Operators, Conditional Checking, Looping Structures, UDF, Dialog Boxes, Built-In Objects (String, Math, Date), Cookies.	08
2	<b>Introduction to PHP</b> Introduction to PHP, Features, Installation of IIS, Variable Declaration (Static, Global), Operators and Expressions, Decision Making, Looping Structures, Arrays, UDF (argument function, default function, return function), Variable Functions (Gettype, settype, intval, print_r, strval, floatval, isset, unset) String Functions, Math Functions, Date Functions, Array Functions, Miscellaneous Functions, File Handling Functions.	08



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3	<b>Component of PHP</b> PHP Regular Expression, Cookies, Session, GD Library	05
4	<b>XML with PHP</b> Introduction to XML, XML Document Structure, Creating XML File, Root and Child Node concept, XML Elements and Attributes, The SimpleXML Extension.	05
5	<b>Database Programming</b> Introduction to MySQL (Using PHP MyAdmin), PHP MySQL Connectivity, Basic Connection Functions, Handling Server Errors, Creating Database, Tables, Insert Data into Tables, Retrieving data from MySQL, Retrieving Fields	06
6	<b>Object Oriented Programming</b> Introduction to OOP, Classes, Objects, Inheritance, Constructor, Serialized Object, Overloading, Encapsulation	08
7	<b>AJAX with PHP</b> Introduction to AJAX, Server Side Scripting Technology, Request and Response Concept, Creating Web Page with AJAX, AJAX with Database	08
	<b>Total hours</b>	<b>48</b>

### **Learning Outcomes:**

Upon completion of this course, the student will be able to:

- Write server-side scripts in the PHP language that process data from online forms and access MySQL databases to create dynamic Web pages.
- Design and create 3-tier Web applications using PHP and MySQL.

### **Teaching & Learning Methodology:**

- Lecture method using standard teaching aids.
- Solving term assignments in tutorials.

### **Books Recommended:**

- “Html, Dhtml, Javascript, Perl Cgi”, **Ivan Byros**, Bpb Publication
- “PHP and MySQL Web Development—Fourth Edition”, **Luke Welling and Laura Thomson**. Addison-Wesley.
- “Programming with Java”, **Bhave**, Pearson Education
- “PHP for the Web: Visual QuickStart Guide”, **Ullman**, Pearson Education