

PHP Programming (ITSE 1306)



Credit: 3 semester credit hours (2 hours lecture, 4 hours lab)

Course Description

Introduction to PHP including the design of web-based applications, arrays, strings, regular expressions, file input/output, e-mail and database interfaces, stream and network programming, debugging, and security.

Required Textbook and Materials

1. *PHP and MySQL® Web Development* by Luke Welling and Laura Thomson, 5th Edition. Pearson Education, Inc.
 - a. ISBN number is 13: 978-0-321-83389-1

Course Objectives

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

1. Design, write, and test PHP programs
2. Identify and resolve security-related issues.

Course Outline

1. Using PHP
 - a. PHP Crash Course
 - b. Storing and Retrieving Data
 - c. Using Arrays
 - d. String Manipulation and Regular Expressions
 - e. Reusing Code and Writing Functions
 - f. Object-Oriented PHP
 - g. Error and Exception Handling
2. Using MySQL
 - a. Designing Your Web Database
 - b. Creating Your Web Database
 - c. Working with Your MySQL Database
 - d. Accessing Your MySQL Database from the Web with PHP
 - e. Advanced MySQL Administration
 - f. Advanced MySQL Programming
3. Web Application Security
 - a. Web Application Security Risks
 - b. Building a Secure Web Application
 - c. Implementing Authentication Methods with PHP

Grade Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Evaluation

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Final grades will be calculated according to the following criteria:

Assignments	40%
Final Project	30%
Exams	30%

Course Policies

1. You must log onto Blackboard and access this course a minimum of three times per week.
2. Cheating of any kind will not be tolerated.
3. If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an 'F' in the course.
4. Internet Usage – Students are expected to use proper net etiquette while participating in course emails, assignment submissions, and online discussions.

Technical Requirements

The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:

https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support/Browser_Checker

A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

Disabilities Statement

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)839-2018. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

Student Code of Conduct Statement

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu or obtained in print upon request at the Student Services Office.

Starfish

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and

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you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.



Certification Requirement

CIS majors are required to earn certification in one of the following areas prior to graduation.

- CompTIA ITF+ Certification
- CompTIA Security+ Certification
- CompTIA Linux+ Certification
- Oracle Java Foundations Certification
- Certified Associate in Python Programming