Course Name	APPLIED WEB PROGRAMMING	Course Code	ITEC445		
Credit Hours	3	**Contact Hours**	Lec	Lab	Total
			2	2	4

Offered as	☐ University Requirement ☐ College Requirement ☒ Program Requirement ☐ Core ☒ Elective
	☒ ITEC ☐ COMP ☐ CNET

Level	7	Prerequisite	ITEC342

Course Description:

This course is designed to give students the opportunity to enhance and enrich their skills in Web programming. Students will learn to develop Web applications that use three-tier architecture, session management, object-oriented techniques, and advance database interactions. Concepts such as advanced CSS concepts, rich interactive Web environments, authentication, and security will also be explored. The main objective of the Applied Web Programming course is to discuss state of the art technologies in Web Programming and some open research issues of the domain. It represents the next generation of Internet applications, business strategy and technologies that supports contribution to the online community.

Course Objectives: Upon completion of the course, students will be able to:

♦ Use PHP to add dynamic content to websites.

♦ Use variables, constants, and operators in PHP script.

♦ Incorporate statements, expressions and arrays in PHP script.

♦ Create functions & files PHP script.

♦ Apply conditional statements in PHP script.

♦ Use HTML code to create server-side scripts (using PHP) for interactive databases (using Mysql)

Assessment Methods	☒ Midterm Exam	15%	☒ Assignment	10%	☒ Mini Project	15%
	☒ Attendance	-	☒ Lab Exam	20%	☒ Final Exam	40%

Text Book:

♦ Luke Welling and Laura Thomson, PHP and MySQL Web Development (5th Edition), 2014, Pearson education Inc.   ISBN-10: 0321833899

References:

♦ Marty Matthews and John Cronan, Dynamic Web Programming, McGrawHill, 2009, ISBN: 978-0-07-163344-4

♦ World Wide Web Consortium (W3C) standards and architectures through: http://www.w3.org/standards/webarch/