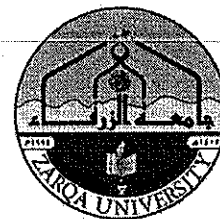


Faculty: Information Technology	
Department: Cybersecurity	Program: Bachelor
Academic Year: 2023/2024	Semester: 2nd



Course Plan

First: Course Information

Course No.: 1506280	Course Title: <i>Web Programming 2</i>	Credit Hours: 3	Theoretical: 3	Practical: 0
Prerequisite No. and Title: <i>1506180 – Web Programming 1</i>		Section No.: 3	Lecture Time: <i>(Sun, Tue, Thu)</i>	
Level in JNQF	7			
Type Of Course:	<div><input type="checkbox"/> <i>Obligatory University Requirement</i><input type="checkbox"/> <i>Elective University Requirement</i> <input type="checkbox"/> <i>Obligatory Faculty Requirement</i><input type="checkbox"/> <i>Elective Faculty Requirement</i> <input checked="" type="checkbox"/> <i>Obligatory Specialization Requirement</i><input type="checkbox"/> <i>Elective Specialization Requirement</i> <input type="checkbox"/> <i>Ancillary course</i></div>			
Type of Learning:	<div><input checked="" type="checkbox"/> <i>Face-to-Face Learning</i> <input type="checkbox"/> <i>Blended Learning (2 Face-to-Face + 1 Asynchronous)</i> <input type="checkbox"/> <i>Online Learning (2 Synchronous+ 1 Asynchronous)</i></div>			

Second: Instructor's Information

Course Coordinator					
Name: Dr. Mohammed Alghanim			Academic Rank: Assistant Professor		
Office Number: 131 A		Extension Number: 1516		Email: mghanem@zu.edu.jo	
Course Instructor					
Name: Dr. Mohammed Alghanim			Academic Rank: Assistant Professor		
Office Number: 131 A		Extension Number: 1516		Email: mghanem@zu.edu.jo	
Office Hours:	Sunday	Monday	Tuesday	Wednesday	Thursday
	11:00-12:00	8:30-9:30	11:00-12:00	8:30-9:30	11:00-12:00

Third: Course Description

This course aims to teach the students the main concepts of dynamic web programming. Mainly, the server side programming and enabling students to build web pages that access the databases that reside on the server. Also, teaching the main security issues in building a web application, such as preventing SQL injection and the use of main encryption functions in PHP. The application of the dynamic web programming will be using the PHP language.

Fourth: Course Objectives

1. Introducing the student to the basics of the PHP language.
2. Guiding the student to model and solve problems using PHP.
3. Developing the student's ability to identify the main concepts and tools in Dynamic websites
4. Developing the student's skills to build a full dynamic websites that deal with databases efficiently.
5. Applying advanced PHP programming such as authentication and secured websites.

Fifth: Learning Outcomes

<i>Level descriptor according to (JNQF)</i>	<i>CILOs Code</i>	<i>CILOs</i> If any CLO will not be assessed in the course, mark NA.	<i>Associate d PILOs Code</i> Choose one PILO for each CILO*	<i>Assessment method</i> Choose at least two methods
Knowledge	K1	Learning the basics of PHP language.	PK1	<ul style="list-style-type: none"> • Mid-term Exam • Final Exam
	K2	Identify the main concepts and tools in Dynamic websites.	PK2	<ul style="list-style-type: none"> • Quizzes • Mid-term Exam • Final Exam
	K3	Using Relational Databases and MySQL in websites development.	PK2	<ul style="list-style-type: none"> • Mid-term Exam • Final Exam • Course Project
Skills	S1	Model and solve problems using PHP.	PS1	<ul style="list-style-type: none"> • Mid-term Exam • Final Exam
	S2	Develop full dynamic websites that deal with databases efficiently.	PS2	<ul style="list-style-type: none"> • Mid-term Exam • Final Exam • Course Project
	S3	Apply advanced PHP programming such as authentication and secured websites using PHP.	PS3	<ul style="list-style-type: none"> • Quizzes • Mid-term Exam • Final Exam
Competencies	C1	Develop effective communication skills with the students in the proper way to deliver the required skills and providing them with knowledge about Web development, techniques and tools.	PC1	<ul style="list-style-type: none"> • Participation • Course Project
	C2	Utilize continuing professional development, independent learning, decision-making, and initiatives, in web applications development.	PC3	<ul style="list-style-type: none"> • Participation • Course Project

*CILOs: Course Intended Learning Outcomes; PILOs: Program Intended Learning Outcomes; For each CILO, the PILO could be the same or different.

Sixth: Learning Resources

<i>Main Reference:</i>	Learning PHP, MySQL, JavaScript, and CSS Association.			
<i>Author: Robin Nixon</i>		<i>Issue No.: 5th</i>	<i>Print:</i>	<i>Publication Year: 2018</i>
<i>Additional Sources and Websites:</i>	<ul style="list-style-type: none">• Jon Duckett. PHP & MySQL: Server-side Web Development, John Wiley, 2022.			
<i>Teaching Type:</i>	<input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Laboratory <input type="checkbox"/> Workshop <input checked="" type="checkbox"/> MS Teams <input checked="" type="checkbox"/> Moodle			

Seventh: Course Structure

Lecture Date	Course Intended Teaching Outcomes (CILOs)	Topics	Teaching Procedures*	Teaching Methods**	References***
4/3/2024	K1,K2,K3, S1, S2,	Introduction	Face-To-Face	Lecture	K1,K2,K3, S1, S2,
6/3/2024	K1,K2,S1, S2,	The dynamic web programming concept.	Face-To-Face	Lecturing , quizzes and assignments	K1,K2,S1, S2,
11/3/2024	K2,S1	Setting Up a Development Server What Is a WAMP, MAMP, or LAMP? Installing a WAMP on Windows	Face-To-Face	Lecturing , quizzes and assignments	K2,S1
13/3/2024	K1, S1,	Free hosting server Home work #01: Hosting	Face-To-Face	Lecturing , quizzes and assignments	K1, S1,
18/3/2024	K1, S3,	Introduction to PHP Understanding Variables Operators Variable Assignment Variable Typing Basic PHP Syntax Constants echo and print Commands Conditional - if Associative Arrays Dumping an Array String variables Escaping characters Static variable Multiple-Line Commands	Face-To-Face	Lecturing , quizzes and assignments	K1, S3,
20/3/2024	K1, S3,	Expressions and Control Flow in PHP Home work #02:First PHP Program	Face-To-Face	Lecturing , quizzes and assignments	K1, S3,

Lecture Date	Course Intended Teaching Outcomes (CILOs)	Topics	Teaching Procedures*	Teaching Methods**	References***
25/3/2024	K1,K2, K4, S1, S2, S3,	Functions in php	Face-To-Face	Lecturing , quizzes and assignments	K1,K2, K4, S1, S2, S3,
27/3/2024	K1,K2, K4, S1, S2, S3,	PHP Arrays	Face-To-Face	Lecturing , quizzes and assignments	K1,K2, K4, S1, S2, S3,
1/4/2024	K1, S3,	PHP Arrays Home work #03: PHP Program (using functions Objects and arrays)	Face-To-Face	Lecturing , quizzes and assignments	K1, S3,
3/4/2024	K1, S3,	PHP Arrays Home work #03: PHP Program (using functions Objects and arrays)	Face-To-Face	Lecturing , quizzes and assignments	K1, S3,
8/4/2024	K1,K2, K4, S1, S2, S3,	Practicing OOP in php Objects in PHP PHP Objects Declaring a Class Creating an Object Accessing Objects Constructors Writing Methods	Face-To-Face	Lecturing , quizzes and assignments	K1,K2, K4, S1, S2, S3,
10/4/2024	Eid Al Fitr Holiday				
15/4/2024	K1,K2, K4, S1, S2, S3,	Web Forms and PHP Form Handling Building Forms Retrieving Submitted Data Processing form data HTML5 input types Worksheet: Practicing collecting data from users	Face-To-Face	Lecturing , quizzes and assignments	Textbook
17/4/2024	K1,K2, K4, S1, S2, S3,	Introduction to MySQL Relational Databases Structured Query Language (SQL) Common Database Systems Command Line PhpMyAdmin Creating a Database SQL Insert SQL Delete SQL: Update	Face-To-Face	Lecturing , quizzes and assignments	Textbook
Midterm Exam 21/4/2023-2/5/2024					
22/4/2024	K1,K2,K3, K4, S1, S2, S3, S4	Retrieving Records Select Joining tables Data Types MySQL Functions Indexes Projects' Following up	Face-To-Face	Lecturing , quizzes and assignments	Textbook
24/4/2024	K1,K2,K3, K4, S1, S2, S3, S4	Chapter Ten: Accessing MySQL Using PDO Multiple	Face-To-Face	Lecturing , quizzes and assignments	Textbook

Lecture Date	Course Intended Teaching Outcomes (CILOs)	Topics	Teaching Procedures*	Teaching Methods**	References***
		Ways to Access MySQL Creating a Database and User Database Connection put some data in a database			
29/4/2024	K1,K2,K3, K4, S1, S2, S3, S4	program example SQL Injection CRUD Pattern Separate Files Work Sheet : Database connection and forms	Face-To-Face	Lecturing , quizzes and assignments	Textbook
1/5/2024	Labor Day holiday				
6/5/2024	K1,K2,K3, K4, S1, S2, S3, S4	Chapter Eight: Cookies, Sessions, and Authentication Multi-User Using Cookies in PHP PHP Sessions HTTP Location Header HTTP Authentication	Face-To-Face	Lecturing , quizzes and assignments	Textbook
8/5/2024	K1,K2,K3, K4, S1, S2, S3, S4	Login / Logout POST / Redirect Pattern PHP Sessions Without Cookies	Face-To-Face	Lecturing , quizzes and assignments	Textbook
13/5/2024	K1,K2,K3, K4, S1, S2, S3, S4	Work Sheet : Sessions and cookies	Face-To-Face	Lecturing , quizzes and assignments	Textbook
15/5/2024	K2, S1, S4	practicing JQuery	Face-To-Face	Lecturing , quizzes and assignments	Textbook
20/5/2024	K2, S1, S4	Introduction to Json	Face-To-Face	Lecturing , quizzes and assignments	Textbook
22/5/2024	K2, S1, S4	Practicing Json	Face-To-Face	Lecturing , quizzes and assignments	Textbook
27/5/2024	K2, S1, S4	Practicing Json	Face-To-Face	Lecturing , quizzes and assignments	Textbook
29/5/2024	K2, S1, S4	Practicing Json	Face-To-Face	Lecturing , quizzes and assignments	Textbook
3/6/2024	K1,K2,K3, K4, S1, S2, S3, S4	Presentations & Discussions	Face-To-Face	Lecturing , quizzes and assignments	Textbook
5/6/2024	K1,K2,K3, K4, S1, S2, S3, S4	Presentations & Discussions	Face-To-Face	Lecturing , quizzes and assignments	Textbook
Final Exam 9/6/2024-27/6/2024					

*Teaching procedures: (Face-to-Face, synchronous, asynchronous).

** Teaching methods: (Lecture, video....).

*** Reference: (Pages of the book, recorded lecture, video....)

Eighth: Assessment Methods

Methods	Online Learning	Blended Learning	Face-To-Face Learning	Specific Course Output to be assessed								
				**If any CILO will not be assessed in the course, mark NA.								
				K1	K2	K3	S1	S2	S3	C1	C2	
First Exam												
Second Exam												
Mid-term Exam			35	✓	✓	✓	✓	✓	✓	✓	✓	✓
Participation			5									
Asynchronous Activities												
Quizzes			5	✓	✓	✓				✓		
Assignments			5	✓	✓	✓				✓		
Group presentation							✓	✓	✓			
Final Exam			50	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total out of 100			100									

Specific Course Output to be assessed

**If any CILLO will not be assessed in the course, mark NA.



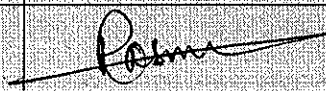
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Issue Date: 20/10/2023

Ninth: Course Policies

- All course policies are applied to all teaching patterns (online, blended, and face-to-face Learning) as follows:
 - a. Punctuality.
 - b. Participation and interaction.
 - c. Attendance and exams.
- Academic integrity: (cheating and plagiarism are prohibited).

Approval	Name	Date	Signature
Head of Department	Dr. Mohammad Rasmi AL-Mousa	3/3/2024	
Faculty Dean	Prof. Dr. Mohammad Hassan	3/3/2024	