



**Jerash University**  
**Faculty of Computer Science and Information Technology**  
**Computer Sciences Department**

**Semester:** Fall Semester 2018/2019

<b>Course symbol and number:</b> 1001330	<b>Course Name:</b> لغة برمجة مختارة
<b>Teaching Language:</b> English	<b>Prerequisites:</b> 1001130.
<b>Credits:</b> 3 hours.	<b>Course Level:</b> 300

**Course Description**

This course uses PHP and MySQL to provide students with a programming background by using applied skills in order to build professional-quality, database- driven Web sites. By integrating PHP and MySQL with the XHTML and CSS frameworks, the student will develop the skills to build interactive Web sites with authentication and security. Throughout the course, the student will be able to apply new concepts in both guided and free- form activities. The student will be able to expand the functionality of a comprehensive Web site project that then can be directly translated or easily modified into a real- world Web application. Tomcat, XAMPP, or WampServer development platform environment could be used to create the PHP web applications.

**Course Objectives**

Upon successful completion of this course the student will be able to enhance students understanding of systems that are connected with a network with concentration on the role of both server and client in sending and receiving data.

## Learning Outcomes

### A- Knowledge and understanding: Students should ...

- A1: Learn the basic structure and syntax of the PHP scripting language
- A2: Understand PHP development environment/platform.
- A3: Interface with a remote server.
- A4: Integrate XHTML, CSS, and PHP to build interactive Web sites
- A5: Handle user input via form processing and URL tokens
- A6: Perform other Web-based activities (send e-mail, authenticate users, handle cookies and sessions, and implement object-oriented programming)
- A7: Use embedded SQL to interact with a database to provide N-tier Web-based applications
- A8: Understand how to program PHP server applications.
- A9: Understand PHP theoretical part and applications and how to administer SQL.

### B- Intellectual skills: with ability to ...

- B1: Discuss the advantages of PHP and Wamp/Xampp/Tocat tools.
- B2: Configure Wamp/Xampp/Tocat environment, design WEB database applications.

### C- Subject specific skills – with the ability to ...

- C1: Implement practical PHP cases using Wamp/Xampp/Tocat platform.
- C2: Apply this knowledge in real world cases.

### D- Transferable skills – with ability to

- D1: Work in a group in order to implement a database web-based project.
- D2: Present the final work (project) and make a demo.

## Text Book(s)

<b>Title</b>	Internet & World Wide Web -How to Program
<b>Author(s)</b>	H. M. Deitel, P.J. Deitel and A.B. Goldberg
<b>Publisher</b>	Prentice Hall
<b>Year</b>	2009
<b>Edition</b>	Fourth Edition

## References

<b>Books</b>	<ol style="list-style-type: none"> <li>1. Beginning PHP and MySQL: From Novice to Professional, 3rd Edition, Gilmore.W, Apress, 2008 (ISBN: 928-1-59059-862-7)</li> <li>2. PHP The Complete Reference, Steven Holzner The Mc Graw-Hill Companies, 2008 (ISBN:0-7-150854-6)</li> <li>3. Learning PHP and MySQL: By Michele Davis, Jon Phillips Publisher: O'Reilly, June 2006</li> <li>4. Mastering phpMyAdmin 2.11 for Effective MySQL Management, Published by Packt Publishing Ltd.32 Lincoln RoadOlton Birmingham, B27 6PA, UK. ISBN 978-1-847194-18-3</li> </ol>
<b>Internet links</b>	<a href="http://www.jpu.edu.jo/lms">http://www.jpu.edu.jo/lms</a>
<b>Course link</b>	<a href="#">Click here</a>

<b>Instructors</b>	
<b>Instructor</b>	Dr. Mohammed M. Abu Shquier
<b>Office Location</b>	720 – الطابق السابع
<b>Office Phone</b>	555
<b>E-mail</b>	<a href="mailto:Shquier@jpu.edu.jo">Shquier@jpu.edu.jo</a>

<b>Topics Covered</b>			
<b>Topics</b>	<b>Chapters in Text</b>	<b>Week number</b>	<b>Teaching hours</b>
Chapter 1: Course Overview & Introduction to PHP		<b>1 &amp; 2</b>	
Chapter 2: Working with Functions and Control Structure		<b>3</b>	
Chapter 3: Manipulating Strings		<b>4</b>	
Chapter 4: Handling User Input		<b>5 &amp; 6</b>	
Chapter 5: Working with Files and Directories		<b>7</b>	
Chapter 6: Manipulating Arrays		<b>8 &amp; 9</b>	
Chapter 7: Working with Databases and MySQL		<b>10</b>	
Chapter 8: Manipulating MySQL Databases with PHP		<b>11</b>	
Chapter 9: Managing State Information		<b>12</b>	
Chapter 10: Developing Object-Oriented PHP		<b>13</b>	
Catching-up with practical material		<b>14 &amp; 15</b>	
Catching-up and reviewing to final exam		<b>16</b>	

<b>Evaluation</b>		
<b>Assessment Tool</b>	<b>Expected Due Date</b>	<b>Weight</b>
Programming assignments and LMS		20 %
First Exam		20 %
Second Exam		20 %
Final Exam	According to the University final examination schedule	40 %

<b>Policy</b>	
<b>Attendance</b>	Attendance is very important for the course. In accordance with university policy, students missing more than the allowed absence rate of total classes are subject to failure. Penalties may be assessed without regard to the student's performance. Attendance will be recorded at the beginning or end of each class.
<b>Exams</b>	All exams will be CLOSE-BOOK; necessary algorithms/equations/relations will be supplied as convenient.

<b>Class Schedule &amp; Room</b>
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<b>Office Hours</b>
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Sun: 8 - 9 Mon: 8 - 9:30 Tues: 11- 12 Wed: 11 – 12:30
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* Or by an appointment through email
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<b>Teaching Assistant</b>
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To announced later on.
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<b>Prerequisites</b>
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<b>Prerequisites by course</b>	1001130
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