

Detailed Course Description - Course Plan Development and Updating Procedures/ Computer Information Systems Department	QF01/0408-3.0E
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Faculty	Faculty of Science and Information Technology	Department	Computer Information Systems
Course Number	0113424	Course Title	Internet Applications Programming
Number of Credit Hours	3	Pre-Requisite/Co-Requisite	Web Design

### Brief Course Description:

This course introduces the tools and techniques for building and using advanced programming techniques to design websites. Combining scripting languages with object-oriented languages and database systems, such as HTML, JavaScript, PHP, MySQL, etc.

Course Goals and Learning Outcomes	
<b>Goal 1</b>	Developing Web applications of HTML, JavaScript and PHP as languages for developing Web applications.
Learning Outcomes	<p><b>1.2</b> To develop working knowledge of HTML, JavaScript and PHP as languages for developing Web applications.</p> <p><b>1.2</b> To be able to make web pages accessible to search engines using &lt;meta&gt; tag.</p>
<b>Goal 2</b>	Create dynamic HTML pages.
Learning Outcomes	<p><b>2.1</b> To be able to use <b>Java Script</b> and <b>CSS</b> to create dynamic World Wide Web Pages.</p> <p><b>2.2</b> To be able to use Window, frame, Location, Document, Form, Image, Array, Math, String, Data, Boolean, and Number objects.</p>
<b>Goal 3</b>	Understand the technology and protocols underlying World Wide Web.
Learning Outcomes	<p><b>3.1</b> To become familiar with the common tools and techniques for developing Web-based applications server-side.</p> <p><b>3.2</b> To learn open sources applications such as Joomla, Moodle, etc.</p>
<b>Textbook</b>	<p>1. Internet and World Wide Web How To Program (<b>5<sup>th</sup> Edition</b>) <b>5<sup>th</sup> Edition 2012</b>.</p> <p>2. PHP and MySQL for Dynamic Web Sites: Visual QuickPro Guide (<b>5<sup>th</sup> Edition</b>) by Larry Ullman <b>2016</b>.</p>
<b>Supplementary References</b>	<p>1. The Joy of PHP: A Beginner's Guide to Programming Interactive Web Applications with PHP and mySQL Paperback – December 4, <b>2015</b>.</p> <p>2. PHP and MySQL: A Step by Step Course by Matthew Gimson <b>2015</b>.</p>

Course Timeline				
Week	Number of Hours	Course Topics	Pages (Textbook)	Notes
01	1 1 1	<ul style="list-style-type: none"> <li>History, Internet and Web.</li> <li>Software Installation.</li> </ul>	<b>Ref 1:</b> Chapter 4, 5	
02	1 1 1	<p><b>HTML Basics</b></p> <ul style="list-style-type: none"> <li>HTML Introduction, HTML Get Started, HTML Basic, HTML Elements, HTML Attributes, HTML Headings HTML Paragraphs, HTML Formatting, HTML Styles, HTML Links, HTML Images, HTML Tables, HTML Lists, HTML Forms, HTML Frames, HTML Colors, HTML Color names, HTML Color values, HTML Quick List.</li> </ul>	<b>Ref 1:</b> Chapter 4, 5	
03	1 1 1	<p><b>Cascading Style Sheets Basics</b></p> <ul style="list-style-type: none"> <li>CSS Introduction, CSS Syntax CSS Id &amp; Class, CSS How to use it.</li> <li>Styling Backgrounds, Styling Text, Styling Fonts, Styling Links, Styling Lists, Styling Tables.</li> <li>CSS Box Model, CSS Border, CSS Outline, CSS Margin CSS Padding.</li> </ul>	<b>Ref 1:</b> Chapter 4, 5	
04	1 1 1	<p><b>JavaScript Basics</b></p> <ul style="list-style-type: none"> <li>JS Introduction, JS How to use, JS where to, JS statements and language in general.</li> <li>JS Examples</li> </ul>	<b>Ref 1:</b> Chapters 7,8,9, 10,11	
05	1 1 1	<p><b>What is PHP?</b></p> <ul style="list-style-type: none"> <li>PHP Introduction</li> <li>PHP tools and software</li> </ul>	<b>Ref 2:</b> Chapter 1	
06	1 1 1	<ul style="list-style-type: none"> <li>PHP Syntax, PHP Variables PHP String, PHP Operators, PHP If...Else, PHP Switch.</li> </ul> <p style="text-align: center;"><b>First Exam%20</b></p>	<b>Ref 2:</b> Chapter 2 , 3	
07	1 1 1	<ul style="list-style-type: none"> <li>PHP Arrays, PHP Looping, PHP Functions, PHP Forms, PHP \$_GET, PHP \$_POST.</li> </ul>	<b>Ref 2:</b> Chapter 2	
08	1 1 1	<ul style="list-style-type: none"> <li>PHP Date, PHP Include PHP File, PHP File Upload PHP Cookies, PHP Sessions</li> </ul>	<b>Ref 2:</b> Chapter 3	
09	1 1 1	<ul style="list-style-type: none"> <li>Introduction to MySQL Creating Databases and Tables</li> <li>Inserting records, updating date, deleting</li> </ul>	<b>Ref 2:</b> Chapter 4	

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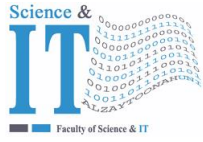
		data. Import and export...		
10	1 1 1	– PHP with MySQL MySQL Connect, MySQL Create, MySQL Insert.  <b>Second Exam%20</b>	<b>Ref 2:</b> Chapter 4	
11	1 1 1	– MySQL Select, MySQL Where MySQL Order By, MySQL Update MySQL Delete, PHP ODBC	<b>Ref 2:</b> Chapter 4	
12	1 1 1	– An examples of building e-learning interactive webpage using Moodle.	<b>Lecture Notes</b>	
13	1 1 1	– An example of data management system such as Joomla. Forum such as Vbulletin.	<b>Lecture Notes</b>	
14	1 1 1	– Booking domain name, host name. – Really Implementation for upload website...etc.	<b>Lecture Notes</b>	
15	1 1 1	– Reviewing projects		
16	1	<b>Final Exam 50%</b>		

<b>Theoretical Course Evaluation Methods and Weight</b>	Participation = 10% First Exam 20% Second Exam 20% Final Exam 50%	<b>Practical (Clinical) Course Evaluation Methods</b>	Semester Students' Work = 50% (Reports, Research, Quizzes, Etc.) Final Exam = 50%
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<b>Approved By Head of Department</b>		<b>Date of Approval</b>	
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Extra information (to be updated every semester by corresponding faculty member)

<b>Name Of Teacher</b>		Office Number	
Phone Number (Extension)		Email	<a href="mailto:_____@zuj.edu.jo">_____@zuj.edu.jo</a>
Office Hours			



جامعة الزيتونة الأردنية  
Al-Zaytoonah University of Jordan  
كلية العلوم وتكنولوجيا المعلومات  
Faculty of Science and Information  
Technology



"عراقة وجودة"  
"Tradition and Quality"

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