



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Web Application Development-2
2	Course number	1904353
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	3
4	Prerequisites/corequisites	Web Application Development-1
5	Program title	Business Information Technology
6	Program code	04
7	Awarding institution	The University of Jordan
8	Faculty	King Abdullah II School for Information Technology
9	Department	
10	Level of course	Business Information Technology Department
11	Year of study and semester (s)	2nd Semester, 2014/2015
12	Final Qualification	
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	
16	Required/ Elective	

16. Course Coordinator: Dr. Osama Rababah

Office numbers: 310
Office hours: Sun, Tue, Thu 11-12
Phone numbers:22624 email addresses: o.rababah@ju.edu.jo

17. Other instructors:

Office numbers: 303
Office hours: Sun, Tue, Thu 10-11
Phone numbers:22626 email addresses: s.alsqqa@ju.edu.jo

18. 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.

19. Course aims and outcomes:

<p>A- Aims: The aim of this course is 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.</p> <p>B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...</p>
<p><u>A- Knowledge and understanding: Students should ...</u> 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 MySQL.</p>
<p><u>B- Intellectual skills: with ability to ...</u> B1: Discuss the advantages of PHP and Wamp/Xampp/Tocat tools. B2: Configure Wamp/Xampp/Tocat environment, design WEB database applications.</p>
<p><u>C- Subject specific skills – with the ability to ...</u> C1: Implement practical PHP cases using Wamp/Xampp/Tocat platform. C2: Apply this knowledge in real world cases.</p>
<p><u>D- Transferable skills – with ability to</u> D1: Work in a group in order to implement a database web-based project. D2: Present the final work (project) and make a demo.</p>

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Chapter 1: Course Overview & Introduction to PHP	1 & 2	Dr. Osama Rababah	A1 + A2	Exams + Assignments	WEB2_Ch01
Chapter 2: Working with Functions and Control Structure	3	Dr. Osama Rababah	A1 + A2	Exams + Assignments	WEB2_Ch02
Chapter 3: Manipulating Strings	4	Dr. Osama Rababah	A1 + A2	Exams + Assignments	WEB2_Ch03

Chapter 4: Handling User Input	5 & 6	Dr. Osama Rababah	A3 + A5	Exams + Assignments	WEB2_Ch04
Chapter 5: Working with Files and Directories	7	Dr. Osama Rababah	A7	Exams + Assignments	WEB2_Ch05
Chapter 6: Manipulating Arrays	8 & 9	Dr. Osama Rababah	A1	Exams + Assignments	WEB2_Ch06
Chapter 7: Working with Databases and MySQL	10	Dr. Osama Rababah	A7	Exams + Assignments	WEB2_Ch07
Chapter 8: Manipulating MySQL Databases with PHP	11	Dr. Osama Rababah	A7 + A8	Exams + Assignments	WEB2_Ch08
Chapter 9: Managing State Information	12	Dr. Osama Rababah	A6	Exams + Assignments	WEB2_Ch09
Chapter 10: Developing Object-Oriented PHP	13	Dr. Osama Rababah	A7 +A6	Exams + Assignments	WEB2_Ch10
Catching-up with practical material	14 & 15	Dr. Osama Rababah	A1	Exams + Assignments	
Catching-up and reviewing to final exam	16	Dr. Osama Rababah	A1	Exams + Assignments	

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

Method	Lecture	Demo	Laboratory	Case study
Learning outcomes	A1+A2+A3+A4 +A5+A6+A7+A8+A9	B2+ D2	A1+A2+A3+A4 +A5+A6+A7+A8+A9 + C1+C2+D1+B1	D1
Assessment	Exams + Assignments	Exams + Assignments	Project + Presentation	Exams + presentation

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Weight	Criteria	Comments
20%	Midterm Exam (Written)	TBA (in due course)
20%	Practical Exam	TBA (in due course)
10%	Term Project	Two Phases
50%	Final Exam	12 January, 2014

23. Course Policies:

A- Attendance policies:

Students are responsible for class attendance and for all material covered in class. It is the students' responsibility to turn in their homework assignments to their instructors **by** the announced due date/time.

B- Absences from exams and handing in assignments on time:

1. Every student is expected to completely adhere to the exams dates and projects strict deadlines, absolutely no exceptions will be given.

2. Maximum allowable absence 15% of number of Lectures/Semester

- الامتناع المدبر عن حضور المحاضرات أو الدروس أو عن الأعمال الأخرى التي تقضي الأنظمة بالمواظبة عليها ،
والتحريض
على هذا الامتناع سوف يؤدي الى حرمان الطالب من المادة المعنية.
في حالة التغيب عن امتحان الـ Mid Term لن يكون هناك امتحان تعويضي الا في حالة وجود عذر وحالة طارئة من
المستشفى.
على الطالب ابراز العذر لمدرس المادة في فتره لا تتجاوز الثلاثة ايام من تاريخ الامتحان ,وللمدرس الحق في قبول او رفض
العذر , وحسب التعليمات.

- Concerns or complaints should be expressed in the first instance to the module lecturer; if no resolution is forthcoming then the issue should be brought to the attention of the module coordinator (for multiple sections) who will take the concerns to the module representative meeting. Thereafter problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For the final complaints, there will be a committee to review grading the final exam.
- For more details on University regulations please visit <http://www.ju.edu.jo/rules/index.htm>

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

For more details on University regulations please visit <http://www.ju.edu.jo/rules/index.htm>

E- Grading policy:

Range	LG	فرحلا	Range	LG	فرحلا	Range	LG	فرحلا
90 - 100	A	أ	74 - 77	B-	-ب	56 - 60	D+	+د
86 - 89	A-	-أ	70 - 73	C+	+ج	50 - 55	D	د
82 - 85	B+	+ب	66 - 69	C	ج	45 - 49	D-	-د
78 - 81	B	ب	61 - 65	C-	-ج	0 - 44	F	هـ

F- Available university services that support achievement in the course:

24. Required equipment:

PCs Data show

25. References:

Required book (s), assigned reading and audio-visuals:

- Internet & World Wide Web -How to Program, 4th Edition,
H. M. Deitel, P.J. Deitel and A.B. Goldberg,
Prentice Hall, 2009 (ISBN:0-13-603542-8)
2. Beginning PHP and MySQL: From Novice to Professional, 3rd
Edition, Gilmore.W,
Apress, 2008 (ISBN: 928-1-59059-862-7)
3. PHP The Complete
Reference, Steven Holzner
The Mc Graw-Hill Companies, 2008 (ISBN:0-7-150854-6)
4. Learning PHP and MySQL: By Michele Davis, Jon Phillips
Publisher: O'Reilly, June
2006 ISBN-10: 0-596-
10110-4
5. Mastering phpMyAdmin 2.11 for Effective MySQL Management,
First published: March 2008
Production Reference: 1110308
Published by Packt Publishing Ltd.32 Lincoln RoadOlton
Birmingham, B27 6PA, UK.
ISBN 978-1-847194-18-3

A- Recommended books, materials, and media:

Course Web Site: <https://elearning.ju.edu.jo>

26. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File