

Jadara University

Faculty: Science and Information Technology

Department: Computer Science

(Course Syllabus)



Course Title	Credit Hours	Course No.	Year(semester)	Lec./Lab. Credit
E-commerce (PHP)	3	501215	2013-2014 summer Semester	Lecture : 3

Lecturer	Room No.	E-mail	Office Hours
Mohammad Omar Al-issa	Computer center	Mohammadal-issa@jadara.edu.jo	11-12 [Sun,Tue,Thur]

Catalog Description

The main objective 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. It covers a range of topics including: Client/Server Systems Architecture, System planning and Design, Middleware and Data Access Protocols, issues with Concurrent Access to shared data, Client/Server Technologies (Connection-Oriented, Connectionless, Interactive, etc), Workgroup Servers, Application Servers, Client-Side Programming, Server-Side Programming, Database Connectivity, CGI Programming, RPC, Security issues. The practical part of this course includes applying the concepts studied in this course using a programming tool such as PHP.

Text Book

Title	PHP.and.MySQL.for.Dynamic.Web.Sites.4th.Edition.Ullman
References	Any PHP book.

Assessment Policy

Assessment Type	Expected Due Date	Weight
First Exam	week 3	20%
Second Exam	Week 6	20%
Final Exam	Week 8	50%
Assessments	Weeks 3 ; 7	10%

Course Objectives

- Students will put their programming skills to use in constructing a complete end-to-end information system solution. This will often be their first opportunity to construct a non-trivial system of software.
- Students will be introduced to a number of topics that are covered in more detail in other courses. This introduction serves two purposes:
 1. It gives all students exposure to important technologies and components (e.g., networks, database systems and languages, clients, middleware development tools).
 2. Students will be better prepared to choose follow-on courses that explore some of these topics in much greater detail, improving their ability to tailor their degree.

Learning Outcomes:

The aim of this course is to equip you with the knowledge you will need to build basic Web sites By the end of this course you should be able to:

- Recognize the difference between HTML, XHTML, MySQL & PHP.
- Differentiate between PHP Web & HTML Controls
- Understand different Web controls
- Understand connecting Web pages with DB.

Teaching & Learning Methods

- Class lectures, lecture notes, text book to achieve the course objectives.
- You should read the assigned chapters before class. Ask questions.
- You are responsible for all material covered in the class.

Course Content

Week number	Topics	Chapter in Textbook
1 & 2	Introduction to PHP Basic syntax 2 Sending Data to the Web Browser 6 Writing Comments 10 What Are Variables? 14 Introducing Strings 18 Concatenating Strings 21 Introducing Numbers 23 Introducing Constants 26 Single vs. Double Quotation Marks 29 Basic Debugging Steps 33 Review and Pursue 34	1
3&4	Programming with PHP Creating an HTML Form 36 Handling an HTML Form 41 Conditionals and Operators 45 Validating Form Data 49 Introducing Arrays 54 For and While Loops 69 Review and Pursue 72	2
5	Creating Dynamic Web Sites Including Multiple Files 76 Handling HTML Forms, Revisited 85 Making Sticky Forms 91 Creating Your Own Functions 95 Review and Pursue 110	3
6	Introduction to MySQL Naming Database Elements 112 Choosing Your Column Types 114 Choosing Other Column Properties 118 Accessing MySQL 121 Review and Pursue 128	4
7	Using PHP with MySQL Modifying the Template 266 Connecting to MYSQL 268 Executing Simple Queries 273 Retrieving Query Results 281 Ensuring Secure SQL 285 Counting Returned Records 290 Updating Records with PHP 292 Review and Pursue 298	9
8	Review and Final Practical Exam	