


QFO-AP-FI-MO02	اسم النموذج: Course Syllabus	جامعة فيلادلفيا  Philadelphia University
رقم الاصدار : 1 ( Revision)	الجهة المصدرة: كلية تكنولوجيا المعلومات	
التاريخ: 2017/11/05	الجهة المدققة: عمادة التطوير والجودة	
عدد صفحات النموذج:		

<b>Course Title: Introduction to Web Programming</b>	<b>Course code: 731213</b>
<b>Course Level: 2</b>	<b>Course prerequisite: 750114</b>
<b>Lecture Time:</b>	<b>Credit hours:3</b>

**Academic Staff Specifics**

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Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Murad Magableh	Assistant Professor	IT 322		mmagableh@philadelphia.edu.jo

**Course description**

This course is intended to give the student advanced issues in website design and implementation. At the course completion, students will have the know-how of designing and implementing web-based applications, completely database-driven web sites.

The course involves two main parts:

- Advanced client-side programming.
- Advanced server-side programming.

## **Course objective**

On successfully completing the module, the students are expected to have gained good knowledge of:

- Implementing advanced server-side programming
- Improving personal productivity concepts through web authoring.

## **Course components:**

### **- Books (title, author (s), publisher, year of publication)**

Gosselin, don, PHP Programming with MySQL. Course Technology Incorporated, 2005, ISBN 0-619-21687-5

### **- Support material (s)**

The world's largest web development site: [www.w3schools.com](http://www.w3schools.com)

### **- Study guide (s) (if applicable).**

### **- Homework and laboratory guide (s) if (applicable).**

## **Teaching methods**

Lectures, discussion, groups, tutorials, problem solving, etc.

## **Learning outcomes:**

- Knowledge and understanding.
- Cognitive skills (thinking and analysis).
- Communication skills (personal and academic).
- Practical and subject specific skills (Transferable Skills).

## **Assessment instruments:**

- Short reports and/ or presentations, and/ or Short research projects
- Quizzes.
- Home works
- Assignments
- Final examination: 40 marks

<b><u>Allocation of Marks</u></b>	
<b>Assessment Instruments</b>	<b>Mark</b>
First examination	<b>20</b>
Second examination	<b>20</b>
Final examination	<b>40</b>
Quizzes, Home works, assignments, projects and Reports	<b>20</b>
Total	<b>100</b>

### Documentation and academic honesty:

- Documentation style (with illustrative examples)
- Protection by copyright
- Avoiding plagiarism.

### Course academic calendar:

Week	Topic
1	<input type="checkbox"/> Formatting, tables and forms tags in HTML <input type="checkbox"/> How to install PHP
2	PHP (Working with Data Types and Operators). rand, ceil, floor, max, min, \$_GET, \$_POST, \$_REQUEST
3	String conversion and type juggling Type casting{ int, string, double} gettype(), settype(),isset(),unset(), empty()
4	PHP (Building Functions and Control Structures I) if statement, switch, for, while, do while
5	PHP (Building Functions and Control Structures II) if statement, switch, for, while, do while
6	Manipulating Strings (I) substr, trim, strlen, stripslashes, rtrim, strtoupper, strtolower, ltrim, strchr
7	<b>First Exam</b> Manipulating Strings (II) substr, trim, strlen, stripslashes, rtrim, strtoupper, strtolower, ltrim, strchr
8	PHP (Building Functions and Control Structures I) nested function, recursion, variable scope
9	PHP (Building Functions and Control StructuresII) nested function, recursion, variable scope
10	PHP (Manipulating Arrays I) sort, asort, rsort, rset, key, current, arsort, ksort, krsort
11	PHP (Manipulating Arrays II) sort, asort, rsort, rset, key, current, arsort, ksort, krsort
12	<b>Second Exam</b> Working with Databases and MYSQL (I) Manipulating MYSQL Databases with PHP

13	Working with Databases and MYSQL (II) Manipulating MYSQL Databases with PHP
14	Working with Databases and MYSQL (III) Manipulating MYSQL Databases with PHP
15	Dreamweaver
16	<b>Final Exam</b>

**Expected workload:**

On average, students need to spend 2 hours of study and preparation for each 50-minute lecture.

**Attendance policy:**

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

**Module references:**

**Books:**

1. Mairlot, Bruno , et al. *Dreamweaver MX: PHP Web Development*, glasshaus, 2002.
2. Harris, Andy. *PHP/MySQL Programming for the Absolute Beginner*, Premier Press, 2003.
3. Ullman, Larry. *PHP and MySQL for Dynamic Web Sites: Visual QuickPro Guide*, Peachpit Press, 2003.
4. Welling, Luke and Thomson, Laura. *PHP and MySQL Web Development, Third Edition*, Sams, 2005.

**JOURNALS:**

**WEBSITES**