جامعة فيلادلفيا Philadelphia University	اسم النموذج : خطة المادة الدراسية	رمز النموذج : QFO-AP-VA-008
	الجهة المصدرة: نائب الرئيس للشؤون الأكاديمية	رقم الإصدار: (Rev) 2
	الجهة المدققة : اللجنة العليا لضمان الجودة	تاريخ الإصدار: 2021-5-4
		عدد صفحات النموذج : 4

Course Title: Introduction to Web Programming			**Course code: 731213**		
Course Level: 2			**Course prerequisite: 750114**		
Lecture Time: S1:Sun,Tue 9:45-11 S2:Mon,Wed 9:45-11			**Credit hours: 3**		
UR ☐	**FR** ▮	**DR** ☐	**C** ☐	**E** ☐	

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Ali Ahmad Alawneh	Associate Prof.	IT-330	11:00-13:00 Sun,Tue Mon,Wed	aalawneh@philadelphia.edu.jo

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The Learning Style Used in Teaching the Course

The Learning Style			
Blended Learning ☐			
Electronic Learning ☐			
Face-to-Face Learning ▬			
Face-to-Face	**Electronic**	**Blended**	**Percentage**
100%			

Course module 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.

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

- Implementing advanced client-side programming
- Implementing advanced server-side programming
- Manipulate database using a server-side programming

Course/ module components

Textbook

978-1-491-97891-7	Learning PHP, MySQL & Java Script with JQUERY, CSS & HTML5	Robin,Nixon (Author)	O'REILLY	2018

Support material (s)
The world's largest web development site: www.w3schools.com

Teaching methods:
Lectures, discussion groups, tutorials.

Learning outcomes:

A- Knowledge and Understanding :

A1. Explain the logic, syntax, and format of HTML tags
A2. Describe how HTML and programming languages are integrated and working together
A3. Define the environment in which PHP compiler and HTML interpreter will work in partnership
A4. Outline the similarity between PHP and other programming languages the students have already studied (ex. C++)
A5. Understand how PHP and HTML can access any database to present the information in a Web-based environment
A6. Explain CSS and describe how it is working along with HTML.
A7. Define basic JavaScript and JQuery instructions.
A8. Introduce XML standard and uses.

B- Intellectual Skills :

B1. Interpret the different programming languages that can be embedded in the HTML pages
B2. Compare between design language (HTML) and the programming language (PHP)

C- Practical Skills:

C1. Analyze programming problems and its corresponding problem-solving techniques

C2. Summarize the possible solutions for programming cases
C3. Criticize the syntax of the PHP language

D- Transferable Skills:

D1. Work in a group to search for one of the important topics of the Web programming
D2. Write a report about the selected topic from skill D1
D3. Present the documented topic performed in skill D2 to the class
D4. Discuss with the class the delivered project information and knowledge

Learning Outcomes Achievement

Module Number	Name Module	Knowledge & Understanding								Intellectual Skills		Practical Skills			Transferable Skills & Personal Qualities			
		A1	A2	A3	A4	A5	A6	A7	A8	B1	B2	C1	C2	C3	D1	D2	D3	D4
0731213	Web Programming	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D	A, D

Development:

- **A1, A2, A3, A4, A5, A6, A7, A8, B1, B2, C1, C3, D1, D3, and D4 are developed through the lectures, tutorials, and practical works.**
- **C2 and D2 are developed through Homework.**

Assessment:

- **A1, A2, A3, A4, A5, A6, A7, A8, B1, B2, C1, C3, D1, D3, and D4 are assessed through quizzes, written exams, and practical works exams**
- **C2 and D2 are assessed through project**

Assessment instruments

- Website implementation project
- Practical works
- Short reports and/ or presentations,
- Quizzes.
- Home works
- Final examination: 40 marks

Allocation of Marks	
Assessment Instruments	**Mark**
Mid examination	**30**
Student Works (Assignments, Lab works, Quizzes)	**16**
Website implementation project	**14**
Final examination	**40**

Total	**100**

** Make-up exams will be offered for valid reasons only with consent of the Dean. Make-up exams may be different from regular exams in content and format.*

Practical Submissions

The assignments that have work to be assessed will be given to the students in separate documents including the due date and appropriate reading material

Documentation and academic honesty

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

Course/module academic calendar

week	Basic and support material to be covered	Homework/reports and their due dates
(1)	• Introduction to the course • HTML Introduction • HTML Tags	
(2)	• HTML Forms	
(3)	• CSS	
(4)	• JS & JQuery	
(5)	• PHP introduction • How to install XAMPP • PHP basics (1) • PHP basics (2)	
(6)	• Review and Examples	
(7)	• PHP Forms • PHP Forms validation	
(8)	• PHP Forms validation • PHP Cookies & Sessions	
(9) **Mid examination**	• Review and Examples	
(10)	• Working with Databases - PhpMyAdmin	
(11)	• Connect to MySQL • Select Data With MySQLi	
(12)	• Insert Data With MySQLi • Update Data With MySQLi • Delete Data With MySQLi	
(13)	• Review and Examples	
(14)	• PHP Functions	

	• PHP Arrays	
(15)	• Domain registration and web hosting services. • Transfer files using FTP client • XML	
(16) **Final Examination**	**Projects Presentations**	

Expected workload:

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

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 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

Students will be expected to give the same attention to these references as given to the module textbooks.

1. Mike McGrath, PHP & My SQL in easy steps, 2012.
2. Don Gosselin, Diana Kokoska, Robert Easterbrooks, PHP programming with MySQL, 2011
3. Paul Deitel, Harvey Deitel, Abbey Deitel, Internet and World Wide Web : how to program, 2012

Journals

1.Journal of Web Development and Web Designing

2. International Journal of Web Engineering and Technology

Websites

1. http://www.w3schools.com/php/
2. https://www.tutorialspoint.com/php/
3. https://www.w3resource.com