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

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| --- | --- | --- | --- | --- | --- | --- |
| **Course Title: Introduction to Web**  **Programming** | | | **Course code: 731213** | | | |
| **Course Level: 2** | | | **Course prerequisite: 750114** | | | |
| **Lecture Time: S1:Sun,Tus 11:10-12:00**  **S2:Mon,Wed 12:45-14:00** | | | **Credit hours: 3** | | | |
|  | **UR** | **FR** | **DR** | **C** | **E** |  |

# Academic Staff Specifics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Rank** | **Office Number and**  **Location** | **Office Hours** | **E-mail Address** |
| **Prof. Mhammed Almakadmeh** | **Assistant Professor** | **IT-302** | **(Sat-Mon)**  **13:00-14:00PM**  **(Sun-Tus)**  **10:00-11:00AM** | **malmakadmeh@philadelphia.edu.jo** |

**Home Page:** <https://www.philadelphia.edu.jo/academics/malmakadmeh/>

# The Learning Style Used in Teaching the Course

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **The Learning Style** | | | | | |
| **Blended Learning X** | | | | | |
| **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.

# 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ISBN: 9781492093824 | Learning PHP, MySQL & JavaScript, 6th Edition | Robin,Nixon (Author) | O'REILLY | July 2021 |

**Support material (s)**

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

# Teaching methods:

Lectures, discussion groups, tutorials.

# Learning outcomes:

**A- Knowledge and Understanding:**

A1. Define basic of HTML Tags, CSS and PHP.

A2. Define basic JavaScript and JQuery instructions, Introduce XML standard and uses.

A3. Define the environment in which PHP and HTML can access any database to present the information in a Web-based environment.

# B- Intellectual Skills:

B1. Compare between design language (HTML) and the programming language (PHP).

# C- Practical Skills:

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

# D- Transferable Skills:

D1. Work in a group to search for one of the important topics of the Web programming produce a report about the selected topic.

# Learning Outcomes Achievement

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Module Number | Name Module | Knowledge & Understanding | | | | | | | | Intellectual Skills | | Practical Skills | | | Transferable Skills &  Personal Qualities | | | |
| A 1 | A 2 | A 3 | A 4 | A 5 | A 6 | A 7 | A 8 | B1 | B2 | C1 | C2 | C3 | D 1 | D 2 | D 3 | D 4 |
| 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, Class works,  Quizzes) | **20** |
| Website implementation project | **10** |
| 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](https://matjournals.com/Journal-of-Web-Development-and-Web-Designing.html)
  2. [International Journal of Web Engineering and Technology](https://www.inderscience.com/jhome.php?jcode=ijwet)

# Websites

1. <http://www.w3schools.com/php/>
2. <https://www.tutorialspoint.com/php/>
3. [https://www.w3resource.com](https://www.w3resource.com/)