


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

<b>Course Title: Research Project</b>	<b>Course code: 0731499</b>
<b>Course Level: 4</b>	<b>Course prerequisite:</b>
<b>Lecture Time:</b>	<b>Credit hours: 3hours</b>

#### Academic Staff

##### Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Ali Alawneh	Assistant Prof.	IT 320	Sun. Tues. and Thur. 10:00 – 11:00	aalawneh@philadelphia.edu.jo

#### Teaching methods:

**Duration:** 16 weeks, 48 hours in total.

**Lectures:**

**Workshops:** 8h

**Laboratory:**

#### Learning outcomes:

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

## Assessment instruments

<b><u>Allocation of Marks</u></b>	
<b>Deliverables</b>	<b>Mark</b>
<b>Project Concept description</b>	<b>03</b>
<b>Analysis and Specification:</b>	
Domain Analysis	<b>07</b>
Application Analysis	<b>13</b>
<b>Design:</b>	
Architectural Design:	<b>05</b>
Detailed Design	<b>10</b>
<b>Implementation</b>	
Coding	<b>12</b>
Testing	<b>05</b>
<b>Document</b>	
Document Standard Conformance	<b>10</b>
English (style, spelling...)	<b>05</b>
<b>Class Presentations</b>	<b>10</b>
<b>Final Exam</b>	<b>20</b>

## **Academic Honesty**

### **□ Protection by Copyright**

1. Coursework, laboratory exercises, reports, and essays submitted for assessment must be your own work, unless in the case of group projects a joint effort is expected and is indicated as such.
2. Use of quotations or data from the work of others is entirely acceptable, and is often very valuable provided that the source of the quotation or data is given. Failure to provide a source or put quotation marks around material that is taken from elsewhere gives the appearance that the comments are ostensibly your own. When quoting word-for-word from the work of another person quotation marks or indenting (setting the quotation in from the margin) must be used and the source of the quoted material must be acknowledged.
3. Sources of quotations used should be listed in full in a bibliography at the end of your piece of work.

### **□ Avoiding Plagiarism.**

1. Unacknowledged direct copying from the work of another person, or the close paraphrasing of somebody else's work, is called plagiarism and is a serious offence, equated with cheating in examinations. This applies to copying both from other students' work and from published sources such as books, reports or journal articles.
2. Paraphrasing, when the original statement is still identifiable and has no acknowledgement, is plagiarism. A close paraphrase of another person's work must have an acknowledgement to the source. It is not acceptable for you to put together unacknowledged passages from the same or from different sources linking these together with a few words or sentences of your own and changing a few words from the original text: this is regarded as over-dependence on other sources, which is a form of plagiarism.
3. Direct quotations from an earlier piece of your own work, if not attributed, suggest that your work is original, when in fact it is not. The direct copying of one's own writings qualifies as plagiarism if the fact that the work has been or is to be presented elsewhere is not acknowledged.
4. Plagiarism is a serious offence and will always result in imposition of a penalty. In deciding upon the penalty the Department will take into account factors such as the year of study, the extent and proportion of the work that has been plagiarized, and the apparent intent of the student. The penalties that can be imposed range from a minimum of a zero mark for the work (without allowing resubmission) through caution to disciplinary measures (such as suspension or expulsion).

**Course/module academic calendar**

<b>week</b>	<b>Basic and support material to be covered</b>	<b>Deliverables</b>
(1)	Discussions on general rules, project planning, grading, team work. Overview on project development process,  Overview on Project document Structure  Project Concept writing	
(2)	Lectures on Domain Analysis : Data Dictionary, E/R diagrams Class Diagrams	<b>Project Concept Document</b>
(3)	Lectures on Business use cases / Logical DFDs	Introduction Chapter
(4)	Lectures on Requirement Analysis: SRS document	
(5)	Lectures on system use cases/physical DFDs	<b>Domains Analysis Deliverables:</b> Data Dictionary, Domain modeling (E/R diagrams or Class Diagrams) Business rules, Business processes (Business use cases or logical DFDs)
(6)	Classroom presentations	
(7)	Lectures on Architectural design	<b>Requirement Analysis Deliverables:</b> SRS document, Physical DFDs or system use cases  <b>Analysis chapter</b>
(8)	Lectures on Detailed design	<b>Architectural design Deliverables:</b> selected style, sub-systems/components decomposition and interconnections
(9)	Classroom presentations with debate	
(10)	Lectures: Mapping Design to Code techniques.	<b>Detailed design deliverables:</b> module/class descriptions, algorithms, user interface design, database design
(11)	Classroom Presentations Lecture on testing	<b>Design chapter Documented (pieces of) code</b>
(12)	Code examination	<b>Documented (pieces of) code</b>
(13)	Code inspection	<b>Documented (pieces of) code</b>
(14)	Code inspection	<b>Documented (pieces of) code</b>

(15)	Code inspection	<b>Final Prototype</b> <b>Final project document</b>
(16)	Prototype presentation Project Exam	

**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 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**