	Hashemite University Prince Al-Hussein bin Abdullah II Faculty for Information Technology Department of Computer Science and its Applications	

Course Syllabus

Year: 2017-2018 **Semester: (Fall)**

Course No.	Course Title	Designation	Prerequisite	Co-requisite	Credit Hours Lectures /Lab.
151001212	Object Oriented Programming (2)	Compulsory	151001110 or 111001110	-	3/ 0

Instructor Name	E-mail	Office No.	Office ext.	Office Hours
Dr. Maen Hammad	mhammad@hu.edu.jo		-	Daily 11-12
Dr. Salah Taamneh	taamneh@hu.edu.jo		-	Sun & Tues 1-2 Mon. & Wed. 10-11
Dr. Fairouz Farouq	fairouzf@hu.edu.jo			Sun & Tues 1-2 Mon. & Wed. 10-11

Coordinator's Name:	***Dr. Maen Hammad***

Course Description	Continuation of Object Oriented Programming (1). Introduces more advanced elements of object-oriented programming in Java, including inheritance, polymorphism, abstract classes, interfaces, GUIs, exception handling, event driven programming.

Learning References:

1- Textbook (s):
Introduction to JAVA programming – Comprehensive Version, Y. Daniel Liang, 8th edition, Pearson Education, 2010
2- References:
1. www.java.sun.com
2. Deitel & Deitel, Java: How to Program, 9th edition , Prentice Hall, 2011.

Course Learning Outcomes (ILOs)

Upon successful completion of this course, students are expected to achieve the following learning outcomes:

Course Learning Outcomes (CLOs)	Student Learning Outcomes (SLOs)	Teaching and Learning Method	Assessment Method
1- Illustrate and apply the concepts of class, object, instantiation, and methods.	c	Lectures	Exam
2- Illustrate and apply the concepts of inheritance, polymorphism, abstract classes, and interfaces.	c	Lectures	Exam Quiz
3- Illustrate and apply the concepts of graphical user interfaces.	i	Lectures	Exam, Quiz
4- Illustrate and apply the concepts of event-driven programming.	i	Lectures	Exam
5- Illustrate and apply run-time exceptions	i	Lectures	Exam

Course Schedule:

Topic Details	CLO number	Reference	No. of Weeks	Contact hours*
Classes	1	Ch8	2	6
Inheritance and Polymorphism	2	Ch11	2	6
Abstract Classes and Interfaces	2	Ch14	3	9
GUI Basics	3	Ch12	3	9
Event-Driven Programming	4	Ch16	3	9
Exception Handling	5	Ch13	2	6
Total			**15**	**45**

*Contact hours include lectures, quizzes and exams

Assessment Methods and Grading System:

Assessment method	Grade	Comments
First Exam	25%	Covers Chapters 8 and 11
Second Exam	25%	Covers Chapters 14 ,12, and 16
Quizzes	10%	TBA
Final Exam	40%	Covers all topics that were discussed during the semester
Total	100%	