
	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

<b>Coordinator's Name:</b>	<b><i>Dr. Maen Hammad</i></b>
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<b>Course Description</b>	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.
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### Learning References:

<b>1- Textbook (s):</b>
Introduction to JAVA programming – Comprehensive Version, Y. Daniel Liang, 8 <sup>th</sup> edition, Pearson Education, 2010
<b>2- References:</b>
1. <a href="http://www.java.sun.com">www.java.sun.com</a>
2. Deitel & Deitel, Java: How to Program, 9 <sup>th</sup> 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*
<b>Classes</b>	1	Ch8	2	6
<b>Inheritance and Polymorphism</b>	2	Ch11	2	6
<b>Abstract Classes and Interfaces</b>	2	Ch14	3	9
<b>GUI Basics</b>	3	Ch12	3	9
<b>Event-Driven Programming</b>	4	Ch16	3	9
<b>Exception Handling</b>	5	Ch13	2	6
<b>Total</b>			<b>15</b>	<b>45</b>

\*Contact hours include lectures, quizzes and exams

### **Assessment Methods and Grading System:**

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