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

Course Syllabus

Year: 2018-2019 **Semester: (2)**

Course No.	Course Title	Designation	Prerequisite	Co-requisite	Credit Hours Lectures /Lab.
1510011110	Object Oriented Programming (1)	Required	151001101	-	3/ 0

Instructor Name	E-mail	Office No.	Office ext.	Office Hours
Ahmad Aloqaily	aloqaily@hu.edu.jo	238	4741	Sun, Tue, Thu (1-2)
Alaa Eddien Attar	aabdallah@hu.edu.jo	235	4683	
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Randa Obeidallah	Randa.ali@hu.edu.jo	304		

Coordinator's Name:	Dr. Ahmad Aloqaily

Course Description	The course enables you to understand the basic principles of programming. The language used for the course is Java, chosen because it supports object oriented programming and because it is becoming widely used in industry. The course will include discussions and explanations of the following topics: introduction to programming; writing, compiling, and running simple programs; expressions, variables, and assignments; control structures; objects and classes, methods, and arrays.

a) Textbook(s):
1. Liang, Y. Daniel (2010) Introduction to Java Programming Comprehensive Version, Eighth Edition. The course covers the material in the first nine chapters of the book; the remaining chapters will be covered in Object Oriented (2).
b) Additional References:
1. www.java.sun.com
2. Deitel&Deitel, Java: How to Program, 9th edition , Prentice Hall, 2011.

Course Learning and Outcomes CLOs
1. **Distinguish** computer's basic concepts, computer programs, history of the Java programming language. (2)
2. In depth **understanding** syntax and semantics of Java and demonstrate knowledge of Java language specification, API, JDK, and IDE. (2)
3. Be able to **apply** control structure (selection and loops) in designing Java applications. (2)
4. Demonstrate the ability to use methods in Java program flow. (2)
5. Be able to **apply** arrays and Strings in designing Java applications. (2)
6. Be able to **apply** Object-oriented concepts in designing Java applications. (2)
7. **Develop** complete Java programs using various Java programming language constructs. (2)
Addressed Student Learning Outcomes (SLOs)
2

Topic Details	Course ILO number	Reference	No. of Weeks	Contact hours*
1. Introduction to programs	1	Ch1	1	3
2. Elementary Programming	2	Ch2	1	3
3. Selections	3	Ch3	2	6
4. Loops	3	Ch4	2	6
5. Methods	4	Ch5	2	6
6. Single-Dimensional Arrays	5	Ch6	2	6
7. Multi-Dimensional Arrays	5	Ch7	2	6
8. Objects and Classes	6	Ch8	2	6
Total			14	42

Assessment method	Grade	Comments
First Exam	25%	Covers Chapters 1-4
Second Exam	25%	Covers Chapters 5-7
Quiz /Assignment	10%	Covers Chapters 9
Final Exam	40%	Covers Chapters 1-8
Total	100%	