

Palestine Technical University-Kadoorie College of Engineering and Technology Course Syllabus



Course Title:	Object Oriented Programming	Course Number:	12140102			
Year:	2017/2018 Semester: 2 ^r		2 nd			
Specialization:	Computer Systems Engineering Designation: C		Compulsory			
Prerequisite(s):	Computer Programming					
Instructor:	Dr. Nael Salman					
Instructor's e-mail:	n.salman@ptuk.edu.ps					
Office Hours:	Sun, Tue, Thu : 11:00 – 12:00					
Class Time:	Sec1: Sun, Tue, Thu: 9:00-10:00 (Room : H120) Sec2: Mon, Wed : 09:30 – 11:00 (Room : H014)					
Course description:	Abstraction, approaches to modular program design, principles of abstract data type, basic concept of objects: local variables and methods. Inheritance. Polymorphism. Overview of object oriented programming environments using Java through programming assignments. GUI and java applets.					
Textbook(s): Daniel Liang, "Introduction to Java Programming", 9th ed. Prentice Hall, 2012						
Other material (Refer	ences): Very Useful Websites: Java A echnetwork/java/index.html	API's, JDK, Tutorial	S,			
Course objectives:	 Familiarize students with the essentials of Java programming language. Understand the principles of OOP and applying them in different areas. Apply the different OOP principles in solving real life problems Understand the fundamentals of GUI programming Developing GUI and applying Event-Driven Programming techniques. 					
			Weeks			
Topics covered and Calendar:	1. Introduction		1			
	2. Elementary Programming: I/O, data types, arithmetic, relational and logical operators		1			
	3. Control Structures: Selections and Loops (if, if else, switchcase, for, while, dowhile).		1			
	4. Methods, recursion.		2			
	5. Arrays (one-dimensional and multidimensional arrays)) 1			
	6. Objects and Classes		2			
	7. Strings		1			
	8. Inheritance and Polymorphism, interfaces		2			
	9. GUI Basics		1			
	10.Exception handling and Text I/O		1			
	11.Event Driven Programming					
	12.Applets					

	First Midterm		15%		
Grading Plan:	Second Midtern	l	15%		
	Lab. Work + ho	meworks	30%		
	Final Exam		40%		
General Notes: Class policies	 University regulations regarding students' attendance will be applied. Names will be read in the first 10 minutes anyone coming after that will be marked absent. Mobile phones must be switched off during lectures. 				
Prepared by: Dr. Nael Salman			Date: 20/01/2018		