	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: (1)**

Course No.	Course Title	Designation	Prerequisite	Co-requisite	Credit Hours Lectures /Lab.
151001214	Visual Programming	Required	151001110	-	3 / 0

Instructor Name	E-mail	Office No.	Office ext.	Office Hours
Mr Muhsen Alkhalidy	Muhsen@hu.edu.jo	229	-	Sun, Tue, Thu (11-1)
Mr. Yasser Qawasmeh	yasser@hu.edu.jo	245	4137	Sun, Tue, Thu (10-12)
Mrs ayat alahmed	ayat@hu.edu.jo			

Coordinator's Name:	Mr.Muhsen

Course Description	This course is designed for second year undergraduate students to provide them an introduction to the principles of programming for Windows in Visual Basic. The course introduce event driven programming and several popular visual interface controls, data types, control structures, properties, events, modular programming and accessing Database with ADO.net

a) Textbook (s):
1. Microsoft Visual Basic 2015 for windows Applications: Introductory (Shelly Cahsman Series)
b)Additional References:
2. An Introduction to programming using visual basic 2008, Sixth Edition. David I.Schneider.
3. Visual Basic 2010: how to program / Microsoft Visual BASIC. Deitel, Paul J.
4. Starting out with Visual Basic 2008 / Microsoft Visual BASIC. Gaddis, Tony.

Course Learning and Outcomes CLOs

1. Recognize the basics of visual basic programming including variables, constants, declarations, data types, expressions and event handling (**2**)
2. Use selection to implement VB windows applications **(2**)
3. Use Collections and repetition statements to implement VB windows **applications (2**)
4. Use strings and arrays to implement VB windows applications **(2**)
5. Use procedures and functions in designing VB windows applications.(**2**)
6. Use database and files in designing VB projects (**2,5**)
Addressed Student Learning Outcomes (SLOs)
2, 5

Topic Details	Course ILO number	Reference	No. of Weeks	Contact hours*
1. An Introduction to Visual Basic .NET and Program Design. Building an Application in the visual Basic .NET Environment	1	Ch1, Ch2, Ch3	2	6
2. Working with Variables, Constants, Data Types and Expressions.	1	Ch4	3	9
3. Decision Making	2	Ch5	2	6
4. Repetition and Multiple Forms and defining Extra Controls (list box, Combo box, List view)	3	Ch6	2	6
5. Using Menus, Common Dialogs, Procedures, Functions and Arrays	5	Ch7	3	9
6. Accessing Databases with ADO.NET, connecting to Microsoft Access Database and applying SQL commands (Select, insert, delete, update) from the VB project , Handling Exceptions	6	Ch10	2	6
Total			14	42

Assessment method	Grade	Comments
First Exam	25%	Covers Chapters 1, 2,3,4
Second Exam	25%	Covers Chapters 5,6
Quiz	10%	TBA
Final Exam	40%	Covers all topics
Total	100%	