	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.
151001215	Visual Programming Lab	Required	-	151001214	0/1

Instructor Name	E-mail	Office No.	Office ext.	Office Hours
Ms. Maryam Al Zawahreh	Maryma_Alz@hu.edu.jo	6	-	
Mr. Yasser Qawasmeh	yasser@hu.edu.jo			Sun, Tue, Thursday (12-2.00)

Coordinator's Name:	Yasser Qawasmeh

Course Description	This course is a practical course in visual programming. It provides students with the knowledge and skills needed to develop windows applications in Microsoft Visual Basic .NET using structured and object-based programming techniques. The course focuses on the user interface design, program structure, language syntax, and implementation details.Through the course, students will complete several projects projects during classes. They will also have to solve several real-world problems during exams to assess their programming abilities.

a) Textbook (s):
1. Microsoft Visual Basic .Net Comprehensive concepts and techniques, 1st ed., Shelly, Cashman and Quasney, Course Technology, 2003.
b) Additional References:
1. An introduction to programming using Visual Basic 2012, 9th edition. David I. Schneider.
2. Visual Basic 2010 How to Program, 5th ed, Paul J. Deitel, Harvey Deitel, Pearson, 2011
3. Mastering Microsoft Visual Basic 2010, 1sted, EvangelosPetroutsos, Sybex, 2010

Course Learning and Outcomes CLOs
1. Design and build VB.Net windows applications using forms, controls, events, and variables. (2)
2. Use control structures (selection/repetition) to implement VB windows applications. (2)
3. Use arrays to implement VB windows applications. (2)
4. Use procedures and functions in designing VB windows applications. (2)
5. Use database and files in designing VB projects. (2)
6. Operate in teams to analyze, design and implement a software solution for a computing problem using VB.Net. (2,5)
Addressed Student Learning Outcomes (SLOs)
2 and 5

Topic Details	Course ILO number	Reference	No. of Weeks	Contact hours*
1. Working with VB.NET projects	1	WSh-1	1	2
2. Forms, controls and properties	1	WSh-1,2	1	2
3. Events	1	WSh-3	1	2
4. Using Variables	1	WSh-4	1	2
5. Selection Statements	2	WSh-5	1	2
6. Repetition Statements	2	WSh-6	1	2
7. Arrays	3	WSh-7	1	2
8. Procedures	4	WSh-8	2	4
9. Working with text files	5	WSh-9	1	2
10. Working with databases	5	WSh-10	1	2
Total			11	22

Assessment method	Grade	Comments
Mid Exam	40%	TBA
Projects and Quizzes	10%	TBA
Final Exam	50%	Covers all topics that were discussed during the semester
Total	100%	

Students Learning Outcomes:

#	Student Outcome Description
1	Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2	Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3	Communicate effectively in a variety of professional contexts.
4	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6	Support the delivery, use, and management of information systems within an information systems environment.