Course Syllabus

1.	Department Name:	Management Information Systems				
2.	Program Name:	BSc. of Management Information Systems				
3.	Program Code	1605				
4.	Course Code and Title:	Introduction to Programming (1605201)				
5.	Course credits:	3				
6.	Pre-requisites:	None				
7.	Course Instructor/ Coordinator Name and Email	Dr. Mahmoud Maqableh maqableh@ju.edu.jo				
8.	Course web-page:	Elearning.ju.edu.jo				
9.	Academic year:	2019/2020				
10.	Semester:	√	First		Second	1st Summer	2nd Summer

11. Textbook(s) (*Make sure you have one textbook – resource materials online*)

Visual C# 2012 How to Program, 5/e, Deitel & Associates, 2012.

12. References: (*Make sure that the references are available in the Library and online*)
- *Michael McMillan, "Data structures algorithms and programming style with C#", Cambridge University Press, latest edition.*
- *C#: A Beginner's Guide Herbert Schildt -2001.*
- *A Programmer's Introduction to C#, Eric Gunnerson, 2000.*
- *A Press - Beginning C sharp Objects - From Concepts to Code.*

13. Other resources used (*e.g. periodicals, software, eLearning, site visits, etc.*):
www.deitel.com

14. Course description (from the catalog)

This course emphasizes the general principles and techniques of computer programming, which can be applied to almost any programming language. Although the emphasis is on programming in any language, this course focuses on one language, in particular, called C#. It provides the students with a basic understanding and appreciation of the various essential programming-languages constructs, programming paradigms, evaluation criteria and language implementation issues. C# language constructs data type's input/ output & control statements: modularity, arrays, strings, files, classes and inheritance. The aim of the module is to introduce the concepts of structured programming and to teach ways and techniques of good programming.

15. _Course Intended Learning Outcomes:_ (All CILOs must start with an action verb, please use ANNEX I for getting a better understanding of the Action Verbs and Blooms Taxonomy. The mapping of the CILOs with relevance to the PILOs of the program.)

CILOs (Preferred not to exceed 12 CILOs)	Mapping to PILOs						
	A	B	C	D	E	F	G
1. Demonstrate the knowledge and understanding of the core ideas of programming languages.	√						
2. Be familiar with the concepts of Object Oriented Programming.		√					
3. Understand how declare an array, initialize, arrays store, sort and search	√						
4. Know the concepts of Class, Objects and their implementation.		√					√
5. Be aware of Distinguish among Objects, Classes, Methods, public, private and protect.	√	√				√	
6. Knowing the strategy, component architecture, and process architecture			√				
7. Dealing with Class Members and Instance Members.							
8. Class Hierarchy – C# and in applications	√		√	√			
9. Design, write and debug program with Object Oriented programming			√		√		
10. Designing and implementation C# applications			√			√	
11. Recognize the differences between Classes and Objects.						√	
12. design, implement/code and debug simple computer programs in C#.							√

16. Course evaluation: *(Formative and summative assessment methods are expected)*

Assessment Type	Details/ Explanation of Assessment in relation to CILOs	Number	Weight	Date(s)
Quizzes	Theoretical	1	20 %	
Midterms	Theoretical	1	30 %	
Assignments	Practical	1	10 %	Weekly
Projects/Case Studies				
Final	Theoretical	1	40%	
Total			100%	

17. Description of Topics Covered (The description should be from the textbook used)

Topic Title (e.g. chapter title)	Description
Chapter 1	Introduction to Computers, the Internet and Visual C#
Chapter 2	Dive Into Visual C# 2010 Express
Chapter 3	Introduction to C# Applications
Chapter 4	Introduction to Classes, Objects, Methods and strings
Chapter 5	Control Statements: Part 1
Chapter 6	Control Statements: Part 2
Chapter 7	Methods: A Deeper Look
Chapter 8	Array

18. Course Weekly Breakdown:

Week	Date	Topics covered	CILOs	Teaching Method	Ass.
1	1	Introduction to Computers, the Internet and Visual C#	A,	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	
2	2	Dive Into Visual C# 2010 Express	A, B	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	1
3	3	Introduction to C# Applications	A, C, B, D	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	
4	4,5	Introduction to Classes, Objects, Methods and strings	B, D, E	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	2

5	6,7	Introduction to Classes, Objects, Methods and strings	D, F, G	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	3
6	7,8	Control Statements: Part 1	A, C, E, F	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	4
7	9,10	Control Statements: Part 1	A, C, E, F	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	5
8	10,11	Control Statements: Part 2	A, C, E, F	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	6
9	12	Methods: A Deeper Look	A, G, F	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	7
10	13	Methods: A Deeper Look	A, G, F	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	8
11	14	Array	A, B, C, F	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	9
12	15	Array	A, B, C, F	Lectures, Case Studies, Assignments, Practical computer laboratory sessions & Exercises, Feedback and Discussion.	10

19. _Others:_	
	Description
Attendance policies:	Students are not allowed to miss more than 15% of the classes during the semester. Failing to meet this requirement will be dealt with according to the university disciplinary rules.
Absences from exams and handing in assignments on time:	• If you're absent from one or more of your examinations for medical or other mitigating reasons, you must fill in an Extenuating Evidence form. You can get it from your Faculty Office. Complete it and hand it in to your Faculty Office – with supporting evidence for the end-of-year examinations. • If you can't hand in a piece of homework by its deadline, you can't submit it after that.

Health and safety procedures:	• No smoking in the department. • Fire alarm call points are red 'Break Glass' boxes and are located on exit routes from the department and elsewhere. • Keep all fire doors and fire exit routes clear at all times. • Never enter a building where the fire alarm is going off. • To call the Emergency Services dial 911
Honesty policy regarding cheating, plagiarism, misbehavior:	• Most students understand, in a general way, that their academic achievements are premised on academic integrity: honesty, fairness, trust, respect, accountability, and responsibility. The academic community succeeds when all members adhere to these habits of integrity, and have an important role in fostering students' commitment to academic integrity. • Plagiarism means representing the words, expressions, productions or creative works of another as one's own in any academic undertaking. • All the assignments and work submitted by the student should be his or her own. All actions of academic dishonesty including cheating, plagiarism or helping other students in such actions will be dealt with strictly according to the university regulations.

Course Coordinator:		
Head of Department:		
Head of curriculum committee/ School Level:		
Dean:		
Approved by the Program Coordinator/ Head of the Department on:		

Copy to:
☐ **Head of Department**
☐ **Assistant dean for Development and Quality Assurance**
☐ **Course Portfolio**