

1.	Course Title	Introduction to Programming			اسم المادة
2.	Course Code	CCPS1013			رمز المادة
3.	Status	Major			مادة أساسية
4.	Credit Hour	3 (2+1) 2 for lectures (2 hours per week x 14 weeks) 1 for tutorial (1.5 hours per week x 14 weeks)			عدد الساعات المعتمدة
5.	Semester/Year	1/3			الفصل الدراسي
6.	Prerequisites	CICT1033, CICT1043, CCPS1023 & BMGT1013			المتطلب السابق إن وجد
7.	Teaching method:	Distance Learning (Electronic)			طريقة التدريس
8.	Evaluation	Assessment and Marking Percentage: Quizzes الامتحانات القصيرة 10 % Assignments الواجبات 10 % Interactions through discussion board المنتديات 10 % Mid-Semester Exam الامتحان النصفى 20 % Final Examination الامتحان النهائي 50 %			
9.	Lecturer				
10.	Objective of the Subject	The aims of CCPS1013 are to give: • basic programming concepts and related problem-solving strategies. • understanding of basic programming concept and how to write basic software applications • introduction to the analytical skills required in computer programming. The skills learned will be applicable to a wide variety of commonly-used in web-based applications or window-based applications.			
11.	Learning Outcomes	At the end of CCPS1013, students will be able to: • understand the principal concepts common to different kinds of programming languages • Understand flowcharting and problem solving • Understand input and output processes • Understand different variables and data types • Understand conditions, program flow and loops • Understand functions			
12.	Synopsis	CCPS1013 covers the overview of computer programs, variables and data types, control structures, function and procedures, working with data and files, programming approaches and introduction to scripting.			
13.	Topics	Details	Lecture (Hrs)	Tutorial (Hrs)	
	Topic 1	Overview of computer Programs • Software development process • Computer program execution phases • Problem solving techniques • Program types	2	1.5	
	Topic 2	Variables and Data types • Variables • Data types • Operators	4	3	

	Topic 3	Control structures • Conditional expression • Using Loops statement • Identify errors	4	3
	Topic 4	Functions and Procedures • Identifying functions • Using procedures	4	3
	Topic 5	Working with data and files • Storing and managing data • Managing files	4	3
	Topic 6	Programming Approaches • Procedural Programming approach • Object Oriented Programming approach	6	4.5
	Topic 7	Introduction to Scripting • Concept of scripting • Basic Web scripts	4	3
		Total contact hours	28	21
		Equivalent lecturer hours	28	14
		Total lecture hours	42	
		Credit hours	3	
14.	References Text book: Additional : Other materials :	Dietel, Harvey M. and Dietel, Paul J. (2004). Internet and WWW How To Program (3rd. ed) Prentice Hall. 1. Forouzan, Behrouz A., Gilberg, Richard F. (2006) Computer Science: A Structured Programming Approach Using C (3rd. ed) . Thomson Learning. 2. Daniel Liang Y. (2005) Introduction to JAVA Programming (5th ed.) Prentice Hall. All other materials will be available to students online.		