Computer Science Department

1.1 MATRIX LINKING PROGRAM LEARNING OUTCOMES WITH COURSES

Mapping of CILOs with PILOs خارطة ربط مخرجات المقررات الدراسية بمخرجات البرنامج

Faculty: Science and Information Technology Department: Computer Science #ref		Knowledge المعرفة			Skills المهارات			Competencies الكفايات		
		Associate relevant mathematics skills appropriately and computer science theories in modeling and designing appropriate solutions.	Describe the main components of computer systems and networks and their functions.	Classify the phases of developing and producing different types of software and each activity in those phases.	Apply appropriate software development techniques and methodologies to produce a functioning software.	Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.	Apply appropriate security and protection methods to information and networks.	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.	Function and communicate effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.	Ability to use computer science principles to understand, apply and analyze new problems and find appropriate solutions.
Code الرمز	Course المقرر	K1	K2	K3	S1	S2	S3	C1	C2	C3
401105	Digital Logic Design	✓								
401115	Introduction to Algorithms	✓				✓				
401212	Programming Language (2)	✓			✓	✓				
401215	Object Oriented Programming	✓			✓	✓				✓
401221	Computer Architecture	✓	✓							
401223	Computer Design & Organization		✓			✓			✓	
401224	Computer Networks (1)		✓							
401231	Computation Theory	✓				✓				
401251	Data Structures	✓			✓					
401331	Compiler Construction	✓				✓				✓
401332	Operating Systems		✓			✓				
401334	Data Encryption	✓					✓			
401341	Wireless Networks & Mobile Computing		✓				✓			
401351	Software Engineering			✓	✓			✓	✓	✓
401415	Information Systems Analysis & Design			✓	✓				✓	
401453	Artificial Intelligence	✓				✓				
401471	Graduation Project	✓	✓	✓	✓	✓	✓	✓	✓	✓
401472	Practical Training				✓	✓	✓	✓	✓	✓
407312	Network Security & Applications			✓			✓			
407356	Web Application Programming				✓					
409232	Visual Programming				✓					
409255	Database	✓								
401152	Discrete Mathematics	✓								
401363	Database Management Systems	✓								✓