TEMPLATE FOR PROGRAMME DESCRIPTION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME DESCRIPTION

The academic program includes teaching and learning methods and assessment methods for the courses in order to achieve the targeted educational outcomes with the awarded certificate and job qualifications.

1.Teaching institution	University of Mosul
2.University Department /Centre	College of Education for Pure Science/ Department of Computer Science
3.Programme Title	
4.Title of Final Award	Bachelor in Computer Science
5.Modes of Attendance offered	Annual
6.Accreditation	
7.Other external influences	Training of year four students in schools
8.Date of production/ revision of this Description	June 2023
9. Aim of the program	

A – Graduation of qualified students to teach secondary school students.
B - Graduation of students who are familiar with the educational methods of teaching computer and information technology
C- Graduation of students who are familiar with modern educational methods
D- Graduation of qualified students who are able to complete postgraduate studies to supply universities and institutes with teaching staff.
10. Learning outcomes, Teaching, Learning and assessment methods
A. Understanding and knowledge A1. Preparing a generation of students in order to have the ability to invest the computer in the development of society. A2. Preparing qualified teachers able to teach computer basics in educational institutions A3. Preparing high-quality teachers. A4. Preparing professional teaching staff in a computer science field.
B- Subject-specific skills B1- To master basic and advanced programming skills B2- To master the skills required to manage information systems and databases with high efficiency. B3- To master the right educational and psychological approach inside educational institutions.
Teaching and Learning Methods
- Theoretical and practical lectures. - Teaching in laboratories to acquire practical skills. - E-learning.
Assessment methods
- Participation of student in the teaching hall. - Exams and daily assignments. - Semester exams - Graduation projects - Projects and field practice for teaching in schools

C - thinking skills: C1- Deduction and analysis skill. C2- Comparison skill. C3- Computers and Internet usage skill. C2 - Research and investigation skill.
Teaching and learning methods - Lectures. - Blackboards. - Data show device.
Assessment Methods - Monthly and annual exams grade. - Graduation projects. - Practical exams.
D- General and transferable skills (other skills related to employability and personal development) D1- The ability to work in a multidisciplinary team. D2- The ability to communicate constructively. D3- Develop the capacity for self-learning. D4- Engaging in the teaching profession. D5- Develop the ability to tackle problems in a logical, orderly manner.
Teaching and learning methods Theoretical and practical Lectures, and Graduation projects
Assessment Methods
Daily homework. Monthly and annual exams. Reports and projects

11.Programme Structure					12. Certifications and Credit Hours
Level / Year	Course or module Code	Course or module Title	Credit Hours		
			Practical	Theoretical	
First	EDCO22F101	Logic Design	2	2	
	EDCO22F102	Programming in C++	2	2	
	EDCO22F103	Computer Organization	2	2	
	EDCO22F104	Mathematics	-	3	
	EDCO22F105	Discrete Mathematics	-	3	
	EDCO22F106	Psychology	-	2	
	EDCO22F107	Basics of Education	-	2	
	EDCO22F108	Arabic language	-	2	
	EDCO22F109	University Culture	-	1	
	EDCO22F110	English language	-	1	
Second	EDCO22F201	Microprocessors	2	2	
	EDCO22F202	Numerical Analysis	2	2	
	EDCO22F203	Data Structure	2	2	
	EDCO22F204	Object Oriented Programming	2	2	
	EDCO22F205	Database	2	2	
	EDCO22F206	Computation Theory	-	3	
	EDCO22F207	Scientific Research	-	2	
	EDCO22F208	Secondary Teaching	-	2	
	EDCO22F209	Psychology of Growth	-	2	
	EDCO22F210	English language	-	1	

11.Programme Structure					12. Certifications and Credit Hours
Level / Year	Course or module Code	Course or module Title	Credit Hours		
			Practical	Theoretical	
Third	EDCO22F301	Artificial Intelligent	2	2	
	EDCO22F302	Computer Graphics	2	2	
	EDCO22F303	Compiler	2	2	
	EDCO22F304	VB	2	2	
	EDCO22F305	Software Engineering	-	2	
	EDCO22F306	Architectures	-	2	
	EDCO22F307	Methods of Teaching	2	1	
	EDCO22F308	Counseling	-	2	
	EDCO22F3109	English language	-	1	
Fourth	EDCO22F401	Computer Vision	2	2	
	EDCO22F402	Operating System	2	2	
	EDCO22F403	Computer Networks	2	2	
	EDCO22F404	Computer Security	2	2	
	EDCO22F405	Distributed System	-	2	
	EDCO22F406	Measurement and Evaluation	2	1	
	EDCO22F4410	English language	-	1	
	EDCO22F407	Practice Education	--	2	
13- Planning for personal development					
Encourage homework that requires external information as well as practical applications in educational institutions.					
14. Admission criteria (setting regulations related to college admission)					
Central admission by the Ministry of Higher Education and Scientific Research					

15. Key sources of information about the program
Sources approved by the university. External sources and books Internet

Curriculum Skills Map																			
Please tick in the relevant boxes where individual program learning outcomes are being assessed																			
Program learning outcomes																			
Year/ Level	Course code	Course Title	Core (C) Title or optn(O)	Knowledge and understanding				Subject-Specific skills				Thinking skills				General and transferable skills (or) other skills relevant to employability and personal development			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
First	EDCO22F101	Logic Design	C	*															
	EDCO22F102	Programming in C++	C					*											
	EDCO22F103	Computer Organization	C		*														
	EDCO22F104	Mathematics	C				*												
	EDCO22F105	Discrete Mathematics	C	*															
	EDCO22F106	Psychology	C												*				
	EDCO22F107	Basics of Education	C		*														
	EDCO22F108	Arabic language	C									*							*
	EDCO22F109	University Culture	C										*						

	EDCO22F110	English language	C																*
Second	EDCO22F201	Microprocessors	C								*								
	EDCO22F202	Numerical Analysis	C								*								
	EDCO22F203	Data Structure	C					*											
	EDCO22F204	Object Oriented Programming	C					*											
	EDCO22F205	Database	C						*										
	EDCO22F206	Computation Theory	C			*													
	EDCO22F207	Scientific Research	C																*
	EDCO22F208	Secondary Teaching																*	
	EDCO22F209	Psychology of Growth	C																*
	EDCO22F210	English language	C				*												

Curriculum Skills Map Please tick in the relevant boxes where individual program learning outcomes are being assessed																			
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Year/ Level	Course code	Course Title	Core (C) Title or optn (O)	Knowledge and understanding				Subject-Specific skills				Thinking skills				General and transferable skills (or) other skills relevant to employability and personal development			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
Third	EDCO22F301	Artificial Intelligent	C								*								
	EDCO22F302	Computer Graphics	C									*							
	EDCO22F303	Compiler	C							*									
	EDCO22F304	VB	C					*											
	EDCO22F305	Software Engineering	C		*														
	EDCO22F306	Architectures	C		*														
	EDCO22F307	Methods of Teaching	C																*
	EDCO22F308	Counseling	C																*
	EDCO22F3109	English language	C				*												

	EDCO22F401	Computer Vision	C														*		
Fourth	EDCO22F402	Operating System	C	*															
	EDCO22F403	Computer Networks	C													*			
	EDCO22F404	Computer Security	C							*									
	EDCO22F405	Distributed System	C															*	
	EDCO22F406	Measurement and Evaluation	C																*
	EDCO22F410	English language	O				*												
	EDCO22F407	Practice Education	C																*