

TEMPLATE FOR PROGRAMME DESCRIPTION
For Academic Year 2020-2021

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/ College of Education for Pure Science
2. University Department /Centre	Department of Chemistry
3. Programme Title	
4. Title of Final Award	Bachelor
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	2020- 2021
1. Aim of the program	
A - Preparing qualified students to teach secondary school students.	
B - Preparing students who are familiar with the educational methods of teaching	
C- The graduate students should be familiar with the basic concepts of Biology	
D- Students are qualified to complete postgraduate studies to supply universities and institutes with teaching staff.	

1.Learning outcomes, Teaching, Learning and assessment methods
A. Understanding and knowledge A1.The student will be able to understand the various subjects of Biology A2.Preparing biology teachers at levels that keep pace with the up to date development.
B- Subject-specific skills B1- The students acquire the skills of describing biology B2- The students acquire the skills of laboratory analysis
Teaching and Learning Methods
Theoretical and practical lectures, daily assignments, discussions
Assessment methods
Exams, daily assignments, lab reports, graduation projects
C - thinking skills: C1- The student acquires discussion skills C2 - The student will be able to reach conclusions.
D- General and transferable skills (other skills related to employability and personal development) D 1- The ability to work in a multidisciplinary team. D2 - The ability to communicate constructively.
Teaching and learning methods Lectures, practical experiments, homework, discussions
Assessment Methods
Exams, daily homework, discussions, lab reports, graduation projects

11. Programme Structure				
Level / Year	Course or module Code	Course or module Title	Credit Hours	
			Practical	Theoretical
First	EDCH20-21 1011	Inorganic Chemistry	-	2
	EDCH20-21 1021	Analytical Chemistry	3	2
	EDCH20-21 1031	Organic Chemistry	3	2
	EDCH20-21 1041	Human Rights	-	1
	EDCH20-21 1051	Computer	2	1
	EDCH20-21 1061	Biology	3	2
	EDCH20-21 1071	Mathematic	-	1
	EDCH20-21 1081	Psychology	-	2
	EDCH20-21 1091	Basics of Education	-	2
	EDCH20-21 1101	Arabic Language	-	1
	EDCH20-21 1111	English Language	-	1
	EDCH20-21 1121	Chemical Safety and security	-	1
Second	EDCH20-21 2011	Inorganic Chemistry	3	2
	EDCH20-21 2021	Analytical Chemistry	3	2
	EDCH20-21 2031	Organic Chemistry	3	2
	EDCH20-21 2041	Computer	2	1
	EDCH20-21 2051	Physical Chemistry	3	3
	EDCH20-21 2061	Mathematic	-	1
	EDCH20-21 2071	Psychology of Growth	-	2
	EDCH20-21 2081	Secondary Teaching	-	2
	EDCH20-21 2091	English language	-	1

11. Programme Structure				
Level / Year	Course or module Code	Course or module Title	Credit Hours	
			Practical	Theoretical
Third	EDCH20-21 3011	Inorganic Chemistry	3	2
	EDCH20-21 3021	Scientific Research Method	-	2
	EDCH20-21 3031	Organic Chemistry	3	2
	EDCH20-21 3041	Physical Chemistry	3	2
	EDCH20-21 3051	Industrial Chemistry	-	2
	EDCH20-21 3061	Methods of Teaching	-	2
	EDCH20-21 3071	Biochemistry	3	2
	EDCH20-21 3081	Elective	-	2
	EDCH20-21 3141	Counseling and Guidance	-	2
	EDCH20-21 3151	English language	-	1
Fourth	EDCH20-21 4011	Biochemistry	-	2
	EDCH20-21 4021	Instrumental Analysis	3	2
	EDCH20-21 4031	Physical Chemistry	-	2
	EDCH20-21 4041	Organic Identification	3	2
	EDCH20-21 4051	Measurement and Evaluation	-	2
	EDCH20-21 4061	Industrial Chemistry	3	2
	---	Observation and Application	-	22
	EDCH20-21 4071	Elective	-	
	EDCH20-21 4131	English language	-	1
	-	Project	-	2
12- Planning for personal development				
Teaching training in schools, refer to the department and college library and publish research in the field of specialization				
13. Admission criteria (setting regulations related to college admission)				
Central acceptance by the Ministry of Higher Education and Scientific Research				
14. Key sources of information about the program				
Student's guide to central admission prepared by the Ministry of Higher Education, the website of the department, college Scientific references, and International Informatics Network				

Curriculum Skills Map												
Please tick in the relevant boxes where individual program learning outcomes are being assessed												
Year/ Level	Course code	Course Title	Core (C) Title or optn(O)	Program learning outcomes								
				Knowledge and Understanding		Subject- Specific skills		Thinking skills		General and transferable skills (or) other skills relevant to employability and personal development		
				A1	A2	B1	B2	C1	C2	D1	D2	
First	EDCH20-21 1011	Inorganic Chemistry	C	*	*	*						
	EDCH20-21 1021	Analytical Chemistry	C	*	*	*						
	EDCH20-21 1031	Organic Chemistry	C	*	*	*						
	EDCH20-21 1041	Human Rights	C		*							
	EDCH20-21 1051	Computer	C				*					
	EDCH20-21 1061	Biology	C				*			*		
	EDCH20-21 1071	Mathematic	C					*				*
	EDCH20-21 1081	Psychology	C					*				
	EDCH20-21 1091	Basics of Education	C		*							*
	EDCH20-21 1101	Arabic Language	C		*							*
EDCH20-21 1111	English Language	C		*			*				*	
	EDCH20-21 1121	Chemical Safety and security		*				*				*
Second	EDCH20-21 2011	Inorganic Chemistry	C	*	*	*						
	EDCH20-21 2021	Analytical Chemistry	C	*	*	*	*					
	EDCH20-21 2031	Organic Chemistry	C	*	*	*						
	EDCH20-21 2041	Computer	C	*	*	*			*			
	EDCH20-21 2051	Physical Chemistry	C				*					
	EDCH20-21 2061	Mathematic	C		*			*		*		*

	EDCH20-21 2071	Psychology of Growth									
	EDCH20-21 2081	Secondary Teaching	C		*			*			
	EDCH20-21 2091	English language	C					*			*

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	B1	B2	C1	C2	D1	D2
Third	EDCH20-21 3011	Inorganic Chemistry	C	*	*	*					
	EDCH20-21 3021	Scientific Research Method	C	*	*	*	*				
	EDCH20-21 3031	Organic Chemistry	C	*	*				*		
	EDCH20-21 3041	Physical Chemistry	C	*	*	*					
	EDCH20-21 3051	Industrial Chemistry	C	*	*		*		*		
	EDCH20-21 3061	Methods of Teaching	C	*	*	*			*		
	EDCH20-21 3071	Biochemistry	C	*	*			*			
	EDCH20-21 3081	Elective	C		*			*		*	*
	EDCH20-21 3141	Counseling and Guidance	C		*			*			
	EDCH20-21 3151	English language	C			*			*		*
Fourth	EDCH20-21 4011	Biochemistry	C	*	*		*				
	EDCH20-21 4021	Instrumental Analysis	C	*	*						
	EDCH20-21 4031	Physical Chemistry	C	*	*		*				
	EDCH20-21 4041	Organic Identification	C	*	*		*				

	EDCH20-21 4051	Measurement and Evaluation	C	*	*		*				
	EDCH20-21 4061	Industrial Chemistry	O	*	*						
	---	Observation and Application	C		*						*
	EDCH20-21 4071	Elective	C		*						
	EDCH20-21 4131	English language	C	*	*						*
	-	Project									