

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- Academic Institution	University of Mosul / College of education for pure sciences
2- Department	Mathematics
3- Academic program	
4- Course level	Bachelor's degree
5- Course mode	Full Time
6- Course	
7- External activities	

8- Date	1/10/2022
<p>9- Academic goals of the course;</p> <ul style="list-style-type: none"> a- Preparing high-level graduates in physics and its applications to take their roles in public secondary schools. b- Preparing students that have high quality teachings methods c- Preparing high-level graduates in mathematics and its applications d- Graduate students should be ready to join high level courses to get degrees in specific areas. 	
10-Program outcomes and teaching methods for learning and assessment	
<ul style="list-style-type: none"> a- Cognitive objectives <ul style="list-style-type: none"> a1- Enable the students to understand the all fields of mathematics a2- Preparing mathematics teachers with high quality skills 	
<ul style="list-style-type: none"> b- skill goals <ul style="list-style-type: none"> b1- Skill of description of mathematics b2- Skill of analysis of the experiments 	
<p>Teaching and learning methods: Theoretical and practical lectures, assignments, discussion.</p>	
<p>methods of assessment: Tests, assignments, lab reports, graduation project</p>	
<ul style="list-style-type: none"> c- General skills <ul style="list-style-type: none"> c1- Ability of working as a multidisciplinary team work c2- Ability for effective connection 	

1.Learning outcomes, Teaching, Learning and assessment methods
A. Understanding and knowledge A1.The student will be able to understand the various subjects of Mathematics 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 understanding and using Mathematics B2- The students acquire the skills of Logical 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

	Program Sections			
Stages	Code	Name	Hours per week	
			Theoretical	practical
First year	EDMA21F101	Calculus	3	2
	EDMA21F102	Foundation of Mathematics	2	2
	EDMA21F103	Linear Algebra	2	2
	EDMA21F104	Physics	2	--
	EDMA21F105	Computers	1	2
	EDMA21F106	Educational Psychology	2	--
	EDMA21F107	Principles Education	2	--
	EDMA21F108	Human Right	2	--
	EDMA21F109	Arabic Language	2	--
	EDMA21F110	English Language	1	--

Second year	EDMA21F201	Advanced Calculus	2	3
	EDMA21F202	Ordinary Differential Equations	2	2
	EDMA21F203	Group Algebra	1	2
	EDMA21F204	Axioms and Geometry	1	2
	EDMA21F205	Programming	1	2
	EDMA21F206	Research Approach	2	--
	EDMA21F207	Growth Psychology	2	--
	EDMA21F208	Administration and Secondary Education	2	--
	EDMA21F209	English Language	1	--
Third year	EDMA21F301	Real Analysis	2	2

	EDMA21F302	Partial Differential Equations	2	2
	EDMA21F303	Ring Algebra	2	2
	EDMA21F304	Probability and Statistics	2	2
	EDMA21F305	Numerical Analysis	2	2
	EDMA21F306	Mythology and Teaching Methods	2	--
	EDMA21F307	Psychological Health and Guidance	2	--
	EDMA21F308	English language	1	--
Fourth year	EDMA21F401	Topology	2	2
	EDMA21F402	Mathematical Statistics	2	2
	EDMA21F403	Selective (1)	2	2
	EDMA21F404	Selective (2)	2	2

	EDMA21F405	Complex Analysis	2	2
	EDMA21F406	Graduated Project	2	
	EDMA21F407	School Practice	2	
	EDMA21F408	Measurement and Evaluations	2	--
	EDMA21F409	English language	1	--

Syllabus Skills Outline

* Please mark the boxes corresponding to the individual learning outcomes from the program being assessed

Learning outcomes required from the program

General and qualification skills (employability and personal development skills)				Affection Goals				Skill goals				Cognitive objectives				Major Or optional	Name	Code	Stages	
																				4d
														*	*	*	major	Calculus	EDMA21F101	First year
														*	*	*	major	Foundation of Mathematics	EDMA21F102	
														*	*	*	major	Linear Algebra	EDMA21F103	
								*			*						major	Physics	EDMA21F104	
											*						major	Computers	EDMA21F105	
								*						*			major	Educational Psychology	EDMA21F106	

								*						*		major	Principles Education	EDMA21F107		
								*			*			*		major	Human Right	EDMA21F108		
																major	Arabic Language	EDMA21F109		
																major	English Language	EDMA21F110		
												*	*	*	*	major	Advanced Calculus	EDMA21F201	Second year	
													*	*	*	major	Ordinary Differential Equations	EDMA21F202		
													*	*	*	major	Group Algebra	EDMA21F203		
										*			*	*	*	major	Axioms and Geometry	EDMA21F204		
											*					major	Programming	EDMA21F205		
								*	*		*			*		major	Research Approach	EDMA21F206		

										*			*		major	Growth Psychology	EDMA21F207		
										*			*		major	Administration and Secondary Education	EDMA21F208		
															major	English Language	EDMA21F209		
													*	*	major	Real Analysis	EDMA21F301	Third year	
												*	*	*	major	Partial Differential Equations	EDMA21F302		
										*				*	major	Ring Algebra	EDMA21F303		
													*	*	major	Probability and Statistics	EDMA21F304		
										*		*		*	major	Numerical Analysis	EDMA21F305		

											*			*	*	major	Mythology and Teaching Methods	EDMA21F306	Fourth year
												*			*	major	Psychological Heath and Guidance	EDMA21F307	
												*			*	major	English language	EDMA21F308	
															*	major	Topology	EDMA21F401	
													*		*	major	Mathematical Statistics	EDMA21F402	
													*		*	major	Selective (1)	EDMA21F403	
													*		*	major	Selective (2)	EDMA21F404	
													*		*	major	Complex Analysis	EDMA21F405	
															*	major	Graduated Project	EDMA21F406	

																	major	School Practice	EDMA21F407		
																		major	Measurement and Evaluations	EDMA21F408	
									*							*		major	English language	EDMA21F409	