Kingdome of Saudi Arabia
Ministry of Education
Majmaah University
Faculty of Education
Mathematics Programme

جامعة المجمعة
Majmaah University

قسم الرياضيات
mathematics

Mathematics Programme Study Plane

Year	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	College or Department Or University
1st Year Semester 1						
Level 1	—	University Requirement	**Elective**	None	2	University
	—	University Requirement	**Elective**	None	2	University
	—	University Requirement	**Elective**	None	2	University
	EDU 116	Teaching techniques and Communication skills	Required	None	2	College
	EDU 117	Fundamentals of Islamic Education	Required	None	2	College
	EDU 118	The System and Policy of Education in KSA	Required	None	2	College
	MATH 111	Calculus (1)	Required	None	2 (1+2)	Department
	PHYS 111	General physics(1)	Required	None	2 (1+2)	Department
	CHEM111	General chemistry (1)	Required	None	2 (1+2)	Department
1st Year Semester 2						
Level 2	—	University Requirement	**Elective**	None	2	University
	EDU126	Developmental Psychology	Required	None	2	College
	MATH 121	Calculus (2)	Required	Pre-requisite MATH 111	4(3+2)	Department

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	MATH 124	Analytic Geometry	Required	None	4(3+2)	Department
	MATH 122	The Foundations of Mathematics	Required	None	3(2+2)	Department
	STAT 123	Principles of Statistics and Probability	Required	None	3(2+2)	Department
2nd Year Semester 1						
Level 3	—	University Requirement	elective	None	**2**	University
	EDU216	Psychological Health	Required	Pre-requisite EDU126	**2**	College
	EDU217	Principles of Educational Research	Required	None	**2**	College
	MATH 212	Calculus in Several Variables	Required	Pre-requisite MATH 121	**4(3+2)**	Department
	MATH 214	Linear Algebra	Required	Pre-requisite MATH 122	**4(3+2)**	Department
	MATH 213	Vector Analysis	Required	Synchronous MATH 212	**4(3+2)**	Department
2nd Year Semester 2						
Level 4	—	University Requirement	Elective	None	**2**	University
	EDU226	Educational Psychology	Required	Pre-requisite EDU126	**2**	College
	STAT 223	Principles of Probability - Distribution Theory	Required	Prerequisite STAT 123	**3(2+2)**	Department
	MATH 224	Introduction to ordinary Differential Equations	Required	Prerequisite MATH 212	**4(3+2)**	Department
	MATH 225	Statics	Required	Prerequisite MATH 213	**4(3+2)**	Department
	MATH 222	Number Theory	Required	Prerequisite MATH 122	**3(2+2)**	Department
3rd Year Semester 1						

Year	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	College or Department Or University
Level 5	EDU316	Administration and Educational Planning	Required		**2**	College
	EDU317	Production of E-learning resources	Required		**2**	College
	MATH 311	Numerical Analysis	Required	Prerequisite MATH 214	**4(3+2)**	Department
	MATH 313	Mathematical Applications	Required	Prerequisite MATH 212	**4(3+2)**	Department
	MATH 312	Real Analysis (1)	Required	Prerequisite MATH 224	**4(3+2)**	Department
	MATH 314	Mathematics Lab	Required	-	**2(1+2)**	Department
3rd Year Semester 2						
Level 6	EDU326	Teaching Strategies	Required	None	2	College
	EDU327	Curricula	Required	None	2	College
	MATH 324	Mathematical Methods	Required	Pre-requisite MATH 224	**4(3+2)**	Department
	MATH 327	Mathematical Applications on the Computer	Required	Pre-requisite MATH 311	**3(2+2)**	Department
	MATH 322	Group Theory	Required	Prerequisite MATH 214	**3(2+2)**	Department
	MATH 323	Introduction to Topology	Required	Prerequisite MATH 312	**4(3+2)**	Department
4th Year Semester 1						
Level 7	EDU416	Modern Trends in Teaching Strategies	Required	Pre-requisite EDU326	**2**	College
	EDU417	Educational Evaluation	Required		**2**	College
	MATH 413	Complex Analysis	Required	Prerequisite MATH 312	**3(2+2)**	Department
	MATH 414	Rings and Fields	Required	Prerequisite MATH 322	**3(2+2)**	Department
	MATH 415	Introduction to Partial Differential Equations	Required	Prerequisite(MATH 324	**4(3+2)**	Department

Year	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	College or Department Or University
	MATH 412	Real Analysis (2)	Required	Pre-requisite MATH 312	4(3+2)	Department
4th Year Semester 2						
Level 8	EDU 428	Training course (Math)	Required	Pre-requisite EDU 326 EDU 416	6(0+6)	College
	MATH 421	Differential Geometry	Required	Prerequisite MATH 224	4(3+2)	Department
	MATH 423	Introduction in Functional Analysis	Required	Pre-requisite MATH 412	3(2+2)	Department
	MATH 424	Research project	Required	Complete 108 credit hours	2(0+2)	Department
	STAT 423	Introduction to statistical inference	Required	Pre-requisite STAT 223	3(2+2)	Department

Note: Courses below are in the plan as an elective university requirement courses with tow credit hours for each and the university shows how is the selection, which is 12 hours out of 26:

One of two	Two of seven	Three of four	
Arabic language skills	Contemporary Social Issue	Introduction to Islamic Culture	
	Voluntary Work		
	Family and Childhood	Islam and Society building	
	English Language		
Arabic Editing	Systems and human rights	Economic System in Islam	
	Businesses leadership		
	Health and Fitness Bases	Political System bases in Islam	