

الرقم: .....

التاريخ: / / 14هـ

المرفقات: .....



المملكة العربية السعودية  
وزارة التعليم  
جامعة الجوف  
كلية العلوم  
رمزه (51/9/44)

## Master of Science In Mathematics (39 Credit Hours)

1 <sup>st</sup> Level		
Course Code	Course Name	Credit Units
MATH 600	Ethics and Editing Scientific Research	2
MATH 610	Abstract Algebra	2
MATH 620	Functional Analysis	2
MATH 630	Theory of Differential Equations	2
MATH 640	Numerical Analysis	2
<b>Total Credits</b>		<b>10</b>

2 <sup>nd</sup> Level									
1 Pure Mathematics					2 Applied Mathematics				
Course Code	Course Name	Credit Units	Prerequisite		Course Code	Course Name	Credit Units	Prerequisite	
MATH 611	Matrix Groups	3	MATH 600 & MATH 610		MATH 631	Partial Differential Equations 1	3	MATH 600 & MATH 630	
MATH 621	Harmonic Analysis	3	MATH 620		MATH 641	Numerical Linear Algebra	3(2,1,0)	MATH 640	
MATH 622	Advanced Functional Analysis	2	MATH 620		MATH 642	Optimization Methods	2	MATH 640	
MATH 612	Analytic Number Theory	2	MATH 610		MATH 632	Mathematical Biology	2(1,1,0)	MATH 630	
MATH 623	Topology and Geometric Analysis				MATH 643	Stochastic Processes			
<b>Total Credits</b>		<b>10</b>			<b>Total Credits</b>		<b>10</b>		

3 <sup>rd</sup> Level									
1 Pure Mathematics					2 Applied Mathematics				
Course Code	Course Name	Credit Units	Prerequisite		Course Code	Course Name	Credit Units	Prerequisite	
MATH 615	Ring Theory	3	MATH 611		MATH 635	Principles of Optimal Control	3(2,1,0)	MATH 631	
MATH 625	Complex Analysis	3	MATH 621		MATH 645	Advanced Scientific Computation	3(2,1,0)	MATH 641	
MATH 696	Selected Topics in Pure Mathematics	2	MATH 611 & MATH 621		MATH 697	Selected Topics in Applied Mathematics	2	MATH 631 & MATH 641	
MATH 616	Control Theory	2	MATH 621		MATH 636	Partial Differential Equations 2	2	MATH 631	
MATH 626	Potential Theory				MATH 646	Stochastic Differential Equations			
<b>Total Credits</b>		<b>10</b>			<b>Total Credits</b>		<b>10</b>		

4 <sup>th</sup> Level (Thesis)		
1 Pure Mathematics & 2 Applied Mathematics		
Course Code	Course Name	Credits
MATH 699	Thesis	9
<b>Total Credits</b>		<b>9</b>