



## MASTER OF SCIENCE IN APPLIED MATHEMATICAL SCIENCES

EFFECTIVE S.Y. 2018-2019

FIRST YEAR								
<i>First Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			LEC	LAB	Total			
Math	512	Linear Algebra	3	0	3	3	None	None
AMS	531	Mathematical Statistics	3	0	3	3	None	None
Math	511	Logic and Set theory	3	0	3	3	None	None
			Total		9	9		

FIRST YEAR								
<i>Second Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			LEC	LAB	Total			
AMS	511	Linear Programming	3	0	3	3	None	None
AMS	532	General Linear Models	3	0	3	3	None	None
AMS	514	Applied Differential Equations	3	0	3	3	None	None
			Total		9	9		

FIRST YEAR								
<i>Summer</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			LEC	LAB	Total			
Math	514	Advanced Calculus	3	0	3	3	None	None
Math	515	Real Analysis	3	0	3	3	None	None
AMS	513	Optimization Theory	3	0	3	3	None	None
			Total		9	9		

**SECOND YEAR*****First Semester***

Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			LEC	LAB	Total			
AMS	523	Simulation and Monte Carlo Methods	3	0	3	3	None	None
AMS	512	Mathematical Modeling	3	0	3	3	None	None
Math	513	Abstract Algebra	3	0	3	3	None	None
			Total		9	9		

**SECOND YEAR*****Second Semester***

Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			LEC	LAB	Total			
AMS	533	Time Series Analysis	3	0	3	3	None	None
			Total		3	3		

**SECOND YEAR*****Summer***

Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			LEC	LAB	Total			
AMS	599	Thesis Writing			12	12	None	None
			Total		12	12		