



Republic of the Philippines
MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY
 Lapanan, Cagayan De Oro City

COLLEGE OF SCIENCE AND MATHEMATICS

M.S. Applied Mathematical Sciences
Applied Mathematical Sciences

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T		PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC		
1ST YEAR - 1ST SEMESTER							
Math 512	Linear Algebra	0.0	3.0	0.0	3.0	3.0	
AMS 531	Mathematical Statistics	0.0	3.0	0.0	3.0	3.0	
Math 511	Logic and Set theory	0.0	3.0	0.0	3.0	3.0	
AMS500	Advanced Linear Algebra	0.0	3.0	0.0	3.0	3.0	
		0.0	12.0	0.0	12.0	12.0	
1ST YEAR - 2ND SEMESTER							
AMS 511	Linear Programming	0.0	3.0	0.0	3.0	3.0	
AMS 532	General Linear Models	0.0	3.0	0.0	3.0	3.0	
AMS 514	Applied Differential Equations	0.0	3.0	0.0	3.0	3.0	
		0.0	9.0	0.0	9.0	9.0	
1ST YEAR - SUMMER							
Math 514	Advanced Calculus	0.0	3.0	0.0	3.0	3.0	
Math 515	Real Analysis	0.0	3.0	0.0	3.0	3.0	
AMS 513	Optimization Theory	0.0	3.0	0.0	3.0	3.0	
AMS 599	Thesis Writing	0.0	12.0	0.0	12.0	12.0	
MATH51	Complex Analysis	0.0	3.0	0.0	3.0	3.0	
AMS 501	Probability & Statistics	0.0	3.0	0.0	3.0	3.0	
		0.0	27.0	0.0	27.0	27.0	
2ND YEAR - 1ST SEMESTER							
AMS 523	Simulation and Monte Carlo Methods	0.0	3.0	0.0	3.0	3.0	
AMS 512	Mathematical Modeling	0.0	3.0	0.0	3.0	3.0	
Math 513	Abstract Algebra	0.0	3.0	0.0	3.0	3.0	
AMS 502	Elementary Linear Algebra	0.0	3.0	0.0	3.0	3.0	
		0.0	12.0	0.0	12.0	12.0	
2ND YEAR - 2ND SEMESTER							
AMS 533	Time Series Analysis	0.0	3.0	0.0	3.0	3.0	
		0.0	3.0	0.0	3.0	3.0	