

Republic of the Philippines
University of Southeastern Philippines
COLLEGE OF ARTS AND SCIENCES
GRADUATE PROGRAM
Obrero, Davao City

MASTER OF SCIENCE IN APPLIED MATHEMATICS
Effective School Year 2006-2007
Approved BOR Resolution No. 3592 S. 2006

A. Core Courses (12 units):		UNITS
Math 201	Foundations of Mathematics	3
Math 202	Set Theory and Logic	3
Math 203	Number Theory	3
Math 204	Foundations of Computer Programming	3
B. Major Courses (18 units):		
Math 211	Advanced Linear Algebra	3
Math 212	Functional Analysis	3
Math 213	Differential Equations	3
Math 214	Mathematical Statistics with Probability Theory	3
Math 215	Time Series Analysis	3
Math 216	Mathematical Modeling and Simulation	3
C. Elective Courses (at least 6 units or 2 of the following):		
Math 231	Numerical and Real Analysis	3
Math 232	Applied Regression Analysis	3
Math 233	Modern Geometry	3
Math 234	Multivariate Analysis	3
Math 235	Advanced Calculus	3
Math 236	Combinatorial Mathematics	3
Math 237	Design Theory	3
Math 238	Complex Analysis	3
Math 239	Selected Topics in Mathematics	3
Math 240	Abstract Algebra	3
D. Research (6 units):		
	Thesis Writing	6

PROGRAM REQUIREMENTS:

Foundation courses	-	12 units
Major courses	-	18 units
Electives	-	6 units (at least)
Comprehensive Exam	-	0 unit
Research (Thesis)	-	6 units
Total	-	42 units