COLLEGE OF SCIENCE AND MATHEMATICS

B.S. in Applied Mathematics
REVISED 2009

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR LAB	HOUR LEC	UNIT LAB	UNIT LEC	UNIT CREDIT	PRE-REQUISITE	CO-REQUISITE
1ST YEAR - 1ST SEMESTER								
MATH13b	College Algebra w/ Plane Trigonometry	0.0	6.0	0.0	6.0	6.0		
CHEM10a	General Chemistry 1	3.0	3.0	1.0	3.0	4.0		
ENGL11	Study and Thinking Skills	0.0	3.0	0.0	3.0	3.0		
SS10	New Constitution	0.0	2.0	0.0	2.0	2.0		
SS30	General Economics, Taxation & Agrarian Reform	0.0	3.0	0.0	3.0	3.0		
PD10	Essence of Personality	0.0	1.0	0.0	1.0	1.0		
NSTP10	ROTC/CWTS/LTS 1	0.0	3.0	0.0	3.0	3.0		
		3.0	21.0	1.0	21.0	22.0		
1ST YEAR - 2ND SEMESTER								
MATH20	Elementary Statistics	0.0	3.0	0.0	3.0	3.0		
MATH32b	Differential Calculus w/ Analytic Geometry	0.0	5.0	0.0	5.0	5.0	MATH13b	
MATH44	Logic & Set Theory	0.0	3.0	0.0	3.0	3.0		
ACTG11	Fundamentals of Accounting 1	0.0	3.0	0.0	3.0	3.0		
ENGL20	Writing Across Disciplines	0.0	3.0	0.0	3.0	3.0	ENGL11	
SS20a	Rizal's Life, Works & Writings	0.0	3.0	0.0	3.0	3.0		
HUM11b	Logic & Ethics	0.0	3.0	0.0	3.0	3.0		
PD20	Social Graces & Social Relations	0.0	1.0	0.0	1.0	1.0	PD10	
NSTP20	ROTC/CWTS/LTS 2	0.0	3.0	0.0	3.0	3.0	NSTP10	
		0.0	27.0	0.0	27.0	27.0		
2ND YEAR - 1ST SEMESTER								
MATH34a	Integral Calculus	0.0	5.0	0.0	5.0	5.0	MATH32b	
MATH52	Abstract Algebra	0.0	3.0	0.0	3.0	3.0	MATH44	
ENGL30	Speech & Oral Communication	0.0	3.0	0.0	3.0	3.0		
PHYS10a	General Physics 1 - Mechanics and Heat	3.0	3.0	1.0	3.0	4.0	MATH13b	
COMP21	Computer Programming 1	3.0	3.0	1.0	3.0	4.0		
ACTG12	Fundamentals of Accounting 2	0.0	3.0	0.0	3.0	3.0	ACTG11	
		6.0	20.0	2.0	20.0	22.0		
2ND YEAR - 2ND SEMESTER								
MATH24	Acturial Mathematics	0.0	3.0	0.0	3.0	3.0		
MATH55	Mathematical Statistics 1	0.0	3.0	0.0	3.0	3.0	MATH20	
MATH38	Differential Equations	0.0	3.0	0.0	3.0	3.0	MATH34a	
MATH43	Linear Algebra	0.0	3.0	0.0	3.0	3.0	MATH13b	
ENGL40	Technical Writing & Reporting	0.0	3.0	0.0	3.0	3.0	ENGL20	
PHYS11a	General Physics 2 - Electricity and Magnetism	3.0	3.0	1.0	3.0	4.0	PHYS10a	
PSYC20	Applied Psychology	0.0	3.0	0.0	3.0	3.0		
		3.0	21.0	1.0	21.0	22.0		
3RD YEAR - 1ST SEMESTER								
MATH53	Operations Research 1	0.0	3.0	0.0	3.0	3.0	MATH43	
MATH45	Advanced Calculus	0.0	3.0	0.0	3.0	3.0	MATH44	
MATH51	Complex Analysis	0.0	3.0	0.0	3.0	3.0	MATH34a	
COMP22	Computer Programming 2	3.0	3.0	1.0	3.0	4.0	COMP21	
ENGL54	Culture, Arts & Literature	0.0	3.0	0.0	3.0	3.0		
ENVI10	Environmental Science	0.0	3.0	0.0	3.0	3.0	CHEM10a	
		3.0	18.0	1.0	18.0	19.0		

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		LAB	LEC	LAB	LEC	CREDIT		
3RD YEAR - 2ND SEMESTER								
MATH56	Mathematical Statistics 2	0.0	3.0	0.0	3.0	3.0	MATH55	
MATH54	Operations Research 2	0.0	3.0	0.0	3.0	3.0	MATH53	
MATH40	Numerical Analysis	0.0	3.0	0.0	3.0	3.0	MATH55	
MATH81	Mathematical Modeling 1	0.0	3.0	0.0	3.0	3.0		
COMP23	Computer programming 3	3.0	3.0	1.0	3.0	4.0	COMP22	
AM80	Undergraduate Thesis 1	0.0	3.0	0.0	3.0	3.0		
PSYC21	Industrial Psychology w/ Work Ethics	0.0	3.0	0.0	3.0	3.0		
		3.0	21.0	1.0	21.0	22.0		
4TH YEAR - 1ST SEMESTER								
MATH50	Real Analysis	0.0	3.0	0.0	3.0	3.0	MATH45	
MATH70	Simulation and Monte Carlo Methods	0.0	3.0	0.0	3.0	3.0	MATH44, COMP23	
MATH71	Data Analysis	0.0	3.0	0.0	3.0	3.0	MATH55	
MATH82	Mathematical Modeling 2	0.0	3.0	0.0	3.0	3.0	MATH34a	
MATH72	Industrial Quality Control	0.0	3.0	0.0	3.0	3.0	MATH55	
AM81	Undergraduate Thesis 2	0.0	3.0	0.0	3.0	3.0	AM80	
MATH50a	Real Analysi(Residency)s	0.0	3.0	0.0	3.0	3.0		
MATH71a	Data Analysis(Residency)	0.0	3.0	0.0	3.0	3.0		
MATH72a	Industrial Quality Control(Residency)	0.0	3.0	0.0	3.0	3.0		
MATH82a	Mathematical Modeling 2(Residency)	0.0	3.0	0.0	3.0	3.0		
MATH70a	Simulation and Monte Carlo Methods	0.0	3.0	0.0	3.0	3.0		
		0.0	33.0	0.0	33.0	33.0		
4TH YEAR - 2ND SEMESTER								
AM90	On the Job Training	240.	0.0	0.0	4.0	4.0		
		240.	0.0	0.0	4.0	4.0		