



Summary of the Study Plan of Mathematics Department

First Year											
First Level						Second Level					
Course code	course name	Contact hours		credit hour	prerequisite	Course code	course name	Contact hours		credit hour	prerequisite
		lectures	Sec/Lab					lectures	Sec/Lab		
101 Islm	Islamic Culture (1)	2	-	2	-	102 Islm	Islamic Culture (2)	2	-	2	-
101Math	General Mathematics	3	-	3	-	101Chem	General Chemistry	3	2	4	-
101 Biol	General Biology	3	2	4	-	101 Phys	General Physics	3	2	4	-
101Comp	Introduction to Computer Science	2	2	3	-	101 Arab	Language Skills	2	-	2	-
105 Engl	English Language	12	3	6	-	106 Engl	Scientific English Language	3	-	3	-
Total		22	7	18		Total		13	4	15	

Second Year											
Third Level						Fourth Level					
Course code	course name	Contact hours		credit hour	prerequisite	Course code	course name	Contact hours		credit hour	prerequisite
		lectures	Sec/Lab					lectures	Sec/Lab		
103 Islm	Islamic Culture (3)	2	-	2	-	104 Islm	Islamic Culture (4)	2	-	2	-
211 Math	Calculus (1)	3	-	3	101 Math	251 Stat	Mathematical statistics	3	-	3	101 Math
261Math	Static	3	-	3	-	222Math	Abstract algebra (1)	3	-	3	221 Math
241 Math	Analytic Geometry	3	-	3	-	212Math	Calculus (2)	3	-	3	211Math
221 Math	Foundation of Mathematics	3	-	3	101 Math	271 Comp	Algorithmic and programming	2	2	3	102 Comp
102 Arab	Arabic Editing	2	-	2	-						
Total		16	-	16		Total		13	2	14	

Third Year											
Fifth Level						Sixth Level					
Course code	course name	Contact hours		credit hour	prerequisite	Course code	course name	Contact hours		credit hour	prerequisite
		lectures	Sec/Lab					lectures	Sec/Lab		
313 Math	Calculus (3)	3	-	3	212 Math	363Math	Analytical Mechanics	3	-	3	362 Math
323 Math	Abstract algebra (2)	3	-	3	222 Math	314Math	Complex Analysis	3	-	3	313 Math
362 Math	Dynamics	3	-	3	212 Math	324Math	Linear Algebra	3	-	3	323 Math
313 Math	Differential Equations (1)	3	-	3	212 Math	315Math	Real Analysis(1)	3	-	3	212 Math
352 Stat	Probability theory	3	-	3	251 Stat	316Math	Numerical Analysis (1)	3	-	3	212 Math
						332Math	Differential Equations (2)	3	-	3	331 Math
Total		15	-	15		Total		18	-	18	

Fourth Year											
Seventh Level						Eighth Level					
Course code	Course name	Contact hours		credit hour	prerequisite	Course code	Course name	Contact hours		credit hour	prerequisite
		lectures	Sec/Lab					lectures	Sec/Lab		
442Math	Topology	3	-	3	315 Math	443Math	Differential Geometry	3	-	3	331 Math
425Math	Discrete Mathematic	3	-	3	221 Math	472Math	Mathematical modeling	3	-	3	332Math
434Math	Partial Differential Equations	3	-	3	332 Math	418Math	Functional Analysis	2	-	2	417 Math
453 Stat	Applied statistics	2	2	3	251 Stat	473Math	Operation research	3	-	3	324 Math
417Math	Real Analysis(2)	2	-	2	315 Math	464Math	Fluid Mechanics	3	-	3	434 Math
433Math	Mathematical Methods	3	-	3	313 Math	419Math	Numerical Analysis (2)	3	-	3	434 Math
Total		16	2	17		Total		17	-	17	

Total Number of Credit Units Is 130