

Plan Course - Mathematics and Statistics Department

****LEVEL ONE :**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites	
1	MAT 101	Calculus (1)	4	3	0	2		
2	PHY101	General Physics(1)	3	2	0	2		
3	PHY119	General Physics Lab	1	0	2	0		
4	CHE101	General Chemistry(1)	4	4	2	0		
5	ENG140	English(1)	3	3	1	0		
6	IDE 133	Monotheism	2	2	0	0		
7	QUR 101	The Holy Quran(١)	1	1	0	0		
				18	15	5	4	
					24			

**** LEVEL TWO :**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites	
1	MAT102	Calculus (2)	4	3	0	2	MAT 101	
2	STA111	Introd.to Probability&Statistics	3	3	1	1	MAT 101	
3	CS140	Computer Programming(1)	4	4	2	0		
4	ENG195	English(2)	3	3	1	0	ENG140	
5	JR 200	Fiqh (Islamic Jurisprudence)	2	2	0	0		
6	Qur 151	The Holy Quran(٢)	1	1	0	0		
				17	16	4	3	
					23			

****LEVEL THREE :**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites	
1	MAT 203	Calculus (3)	4	3	0	2	MAT102	
2	MAT 220	Elements of Sets and Structures	3	2	0	2		
3	MAT 251	Math Software	2	0	4	0	MAT101	
4	PHY106	General Physics(2)	4	4	2	0	PHY101	
5	HST 101	Sirah (Biography of Prophet Mohamed)	2	2	0	0		
6	QUR 201	The Holy Quran(٣)	1	1	0	0		
				16	12	6	4	
					22			

****LEVEL FOUR:**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites
1	MAT 222	Introduction to Number Theory	3	3	0	1	
2	MAT 223	Linear Algebra	4	3	0	2	MAT 220
3	MAT 231	Introduction to Differential Equations	3	3	0	1	MAT 101
4	STA 211	Mathematical Statistics	4	3	0	2	MAT 203 STA111
6	ART 102	Arabic Composition	2	2	0	0	
5	Qur 251	The Holy Quran(ع)	1	1	0	0	
			17	15	0	6	
				21			

****LEVEL FIVE:**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites
1	MAT 311	Real Analysis	4	3	0	2	MAT 203
2	MAT 333	Numerical Analysis (1)	4	2	2	2	MAT 231 MAT 223 MAT 251
3	MAT 354	Combinatorics and Graphs	4	3	0	2	MAT 220
4	MAT 351	Introduction to Operations Research	3	3	0	1	MAT 223
3	قصد ١٠٠	مبادئ الاقتصاد	2	2	0	0	
			17	13	2	7	
				22			

****LEVEL SIX :**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites
1	MAT 312	Complex Variable	4	3	0	2	MAT 311
2	MAT 321	Modern Algebra	4	3	0	2	MAT 222 MAT 223
3	MAT 371	Financial Mathematics (1)	3	2	0	2	قصد ١٠٠
4	MAT 381	Selected Course (1)	3	2	0	2	يتحدد حسب المقرر المختار
5	علم ٢٠٧	مهارات الاتصال	2	2	0	0	
			16	12	0	8	
				20			

****LEVEL SEVEN:**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites
1	MAT 434	Partial Differential Equations	4	3	0	2	MAT 231
2	MAT 461	Introduction to Cryptography and Coding	4	3	0	2	MAT 321
3	MAT 483	Selected Course (2)	3	2	1	1	يتحدد حسب المقرر المختار
4	ENG 206	Scientific Writing	2	2	0	0	ENG195
5	HST 102	History of KSA	2	2	0	0	
			15	12	1	5	
				18			

****LEVEL EIGHT:**

NO	Course Code	Course Name	C. Hours	Lec	Lab	Tut	Prerequisites
1	MAT 463	Modeling and Simulation	4	2	2	1	MAT 333
2	MAT 433	Numerical Analysis (2)	4	2	2	1	MAT 333 MAT 434
3	MAT 485	Selected Course (3)	4	2	1	2	يتحدد حسب المقرر المختار
4	PSY 301	Educational Psychology	2	2	0	0	
5	MAT 499	Research Project	2	X	X	X	
			16	8	5	4	
				17			

TOTAL	Credit Hours	Lec	Lab	Tut
	132	103	23	41
	167			

Courses - Computer and Information College

NO	Course Code	Course Name
1	MAT 114	Calculus (2)
2	STA 111	Into.to Probability and Statistics
3	MAT 113	Calculus (1)
4	MAT 227	Linear Algebra and Differential Equations

Courses Descriptions - Engineering College

NO	Course Code	Course Name
1	MAT 235	Ordinary Differential Equations
2	MAT 215	Probability and Statistics for Engineers
3	MAT 226	Linear Algebra
4	MAT 106	Calculus (2)
5	MAT 105	Calculus (1)

Courses - Economics College

NO	Course Code	Course Name
1	STA 110	Principles of Statistics

Courses - Science College

NO	Course Code	Course Name	Department
1	STA 217	Biostatistics	Biology
2	MAT 103	Calculus (2)	Chemistry
3	MAT 221	Introduction to Linear Algebra	Physics