

INSTITUTE OF MATHEMATICAL SCIENCES**B.Sc. Courses Offered Sem 2 2017/2018**

No.	Course Code	Credit	Course Title
1	SIM1001 ; SIX1013 ; SJEM1110	4	Basic Mathematics ; Fundamental of Advanced Mathematics ; Basic Mathematics
2	SIM1002 ; SJEM1111	4	Calculus I
3	SIM1003 ; SJEM1211	4	Calculus II
4	SIN1002a	2	Introduction to Worksheet
5	SIN1002b	2	Introduction to Worksheet
6	SIN1003	4	Mathematical Methods I
7	SIT1001 ; SJEM1250	4	Probability and Statistics I
8	SIQ1001; SJER2214	3	Introduction to Accounting
9	SIX1004 ; SSEX1102	3	Statistics
10	SIM2001 ; SJEM2210	4	Advanced Calculus
11	SIM2002 ; SJEM2211	4	Linear Algebra
12	SIM2005; SJEM2214	4	Introduction to Analysis
13	SIM2006; SJEM2215	4	Complex Variables
14	SIN2001	4	Mathematical Methods II
15	SIN2002 ; SJEM2231	4	Structured Programming
16	SIN2006	4	Vector Analysis
17	SIT2001 SJEM2250	4	Probability and Statistics II
18	SIT2002; SJEM2251	4	Further Mathematical Statistics
19	SIT2005; SJEM2255	4	Analysis Data I
20	SIT2006; SJEM2253	4	Non-parametric Statistics
21	SIM2007 ; SJEM2280	2	Appreciation of Mathematics
22	SIM2009; SJEM2417	4	Geometry

23	SIN2008; SJEM2432	4	Optimization Technique
24	SIQ2002; SJER2213	3	Macroeconomics
25	SIT3001	4	Introduction to Probability Theory
26	SJEM3260	4	Education Statistics
27	SIM3001 ; SJEM3411	4	Graph Theory
28	SIM3002; SJEM3412	4	Combinatorial Mathematics
29	SIM3004; SJEM3414	4	Advanced Linear Algebra
30	SIN3003; SJEM3433	4	Computational Fluid Dynamics
31	SIN3005; SJEM3435	4	Numerical Methods and Analysis
32	SIN3009; SJEM3439	4	Industrial Operational Research
33	SIN3010; SJEM3440	4	Computational Geometry
34	SIT3004; SJEM3452	4	Applied Stochastics Processes
35	SIT3012; SJEM3460	4	Design and Analysis of Experiments
36	SIQ3003; SJER3216	4; 3	Actuarial Mathematics II Further Life Contingencies
37	SJER3218	3	Introduction to General Insurance
38	SIQ3004; SJER4222	4	Mathematics of Financial Derivatives; Investment and Financial Analysis II
39	SJER4271	3	Group Presentations on Selected Topics in Actuarial Science and Finance
40	SJER4324	3	Introduction to Risk Theory
41	SIN3015; SJEM3380	4	Mathematical Science Project
42	SJER3191	8	Industrial Training in Actuarial Science