

**Department of Mathematics, IIT Bombay**  
**Time Table - Spring 2016**

**B.Tech. Core Courses**

Course No. & Course Name	Instructor(s)	slot	Venue
MA 105 Calculus (Backlog)	B. V. Limaye	5 XD (Tut)	LA 101 LA 101
MA 106 Linear Algebra	Santanu Dey* & S. R. Ghorpade (two Sections each)		
	D1	2 X2	LA 101 LT 001, 002, 003, 102, 103
	D2	2 X2	LA 102 LT 004,005,006,105,106
	D3	9 X2	LA 101 LT 301,302,303,202,203
	D4	9 X2	LA 102 LT 304,305,306,205,206
MA 108 Differential Equations I	Neela Nataraj D1	2 X2	LA 101 LT 001, 002, 003, 102, 103
	U.K. Anandavardhanan* D2	2 X2	LA 102 LT 004,005,006,105,106
	Neela Nataraj D3	9 X2	LA 101 LT 301,302,303,202,203
	U.K. Anandavardhanan* D4	9 X2	LA 102 LT 304,305,306,205,206
MA 214 Introduction to Numerical Analysis	Tony J. Puthenpurakal (both the sections)	12 XC  14 XC	LA 302 LT 001,002,003,004,005,006  LA 302 LT 101,102,103,104,105,106
MA 002 Preparatory Mathematics II	Akhil Ranjan	Mon: 9-9:55, 10-10:55 Tue: 11-12.30 Thu: 11-12:30	MB 4B

\* Instructor-in-charge

### Minor Area Courses

MA 412 Complex Analysis*	Sandip Singh	3 1 0 8	5 9A	LC002 LC002
SI 527 Introduction to Derivative Pricing* (also for ASI 2 <sup>nd</sup> Yr.)	K. Suresh Kumar	2 1 0 6	5	113
SI 422 Regression Analysis* (Theory +Lab)	Radhendushka Srivastava	3 0 2 8	5 L2 (Lab)	114 115

### M.Sc. (Mathematics) 2<sup>nd</sup> Semester Courses

\* ⇒ Also a B.Tech. (Minor in Mathematics) Course

MA 406 General Topology	Sourav Pal	3 1 0 8	8 Tue:5.30-6.55pm	113 113
MA 408 Measure Theory	I. K. Rana	3 1 0 8	10 7B	114 114
MA 410 Multivariable Calculus	G.K. Srinivasan	2 1 0 6	1	113
MA 412 Complex Analysis*	Sandip Singh	3 1 0 8	5 9A	LC002 LC002
MA 414 Algebra I	N. M. Singhi & Saurav Bhaumik	3 1 0 8	12 3A	113 113

### M.Sc. (Mathematics) 4<sup>th</sup> Semester Courses

MA 504 Operators on Hilbert Spaces	Ameer Athavale	2 1 0 6	12	114
MA 510 Introduction to Algebraic Geometry	Sudarshan Gurjar	2 1 0 6	10	113
MA 524 Algebraic Number Theory	Preeti Raman	2 1 0 6	5	105
MA 526 Commutative Algebra	Ananthnarayan Hariharan	2 1 0 6	1	105
MA 534 Modern Theory of Partial Differential Equations	Sivaji Ganesh Sista	2 1 0 6	13	114
MA 540 Numerical Methods for Partial Differential Equations	A. K. Pani	2 1 0 6	11	114
MA 5102 Basic Algebraic Topology	Manoj K. Keshari	2 1 0 6	2	114
MA 5104 Hyperbolic Conservation Laws	V. D. Sharma	2 1 0 6	6B, 6C 6A	114 113

MA 5108 Lie Groups and Lie Algebras	S. G. Dani	2 1 0 6	9	105
SI 416 Optimization (also for ASI 1 <sup>st</sup> Yr.)	M. K. Srinivasan	2 1 0 6	14	114
SI 527 Introduction to Derivative Pricing* (also for ASI 2 <sup>nd</sup> Yr.)	K. Suresh Kumar	2 1 0 6	5	113
MA 530 Nonlinear Analysis	A. K. Pani	2 1 0 6	15	LT 002
HS 200 Environmental Studies ES 200			3	LA 302

### M. Sc. (ASI) 2<sup>nd</sup> Semester Courses

\* ⇒ Also a B.Tech. (Minor in Statistics) Course

SI 402 Statistical Inference	Siuli Mukhopadhyay	3 1 0 8	4 1B(Tut)	114 114
SI 404 Applied Stochastic Processes	Rajani R. Joshi	2 1 0 6	9 6A(Tut)	114 114
SI 408 Data Structures	Niranjan Balachandran	3 1 0 8	8 1A(Tut)	114 114
SI 416 Optimization (also for Math. 2 <sup>nd</sup> Yr)	M. K. Srinivasan	2 1 0 6	14	114
SI 418 Advanced Programming & Unix Environment (Lab)	Srikanth Srinivasan	0 0 3 3	L4	115
SI 422 Regression Analysis* (Theory +Lab)	Radhendushka Srivastava	3 0 2 8	5 L2 (Lab)	114 115

### M. Sc. (ASI) 4<sup>th</sup> Semester Courses

SI 509 Time Series Analysis	Koushik Saha	2 1 0 6	4	113
SI 514 Statistical Modeling	S. V. Sabnis	2 1 0 6	2	113
SI 526 Experimental Designs	Ashish Das	2 1 0 6	1	LT 106
SI 527 Introduction to Derivative Pricing* (also elective for 2 <sup>nd</sup> yr Math.)	K. Suresh Kumar	2 1 0 6	5	113
SI 534 Nonparametric Statistics	P. Vellaisamy	2 1 0 6	3	114

### Ph.D. Courses

MA 814 Complex Analysis	B. K. Das	3 0 0 6	8	105
MA 816 Algebraic Topology	Rekha Santhanam	3 0 0 6	6	105
MA 818 PDEs - II	S. Baskar	3 0 0 6	11	105
MA 820 Stochastic Processes	Alladi Subramanyam	3 0 0 6	12	105
MA 822 Testing of Hypothesis	P. Vellaisamy	3 0 0 6	10	105
MA 824 Functional Analysis	Rekha P. Kulkarni	3 0 0 6	4	105
MA 850 Topics in Topology II	Swapneel Mahajan	3 0 0 6	14	105
MA 862 Combinatorics II	Sharad S. Sane	3 0 0 6	2	105
MA 842 Topics in Algebra II	J K Verma and Saurav Bhaumik	3 0 0 6	13	105

## Time Table for Spring Semester – 2015-16

### GENERAL SLOT PATTERN for UG/PG Courses

Time/ Day	8.30 9.25	9.30 10.25	10. 35 11. 30	11.35 12.30	<b>L u n c h  R e c e s s</b>	2.00 3.25	3.30 4.55	<b>Break (5.00 pm to 5.30 pm)</b>	5.30 6.55	7.00 8.25	
Mon	1A	2A	3A	4A		8A	9A		_____L1_____	12A	13A
Tue	4B	1B	2B	3B		10A	11A		_____L2_____	14A	15A
Wed	7A	5A (9.30 to 10.55) ---L	6A (11.05 to 12.30) 5---			X1	X2		X3 _____Lx_____	XC	XD
Thu	3C	4C	1C	2C		8B	9B		_____L3_____	12B	13B
Fri	7B	5B (9.30 to 10.55) ---L	6B (11.05 to 12.30) 6---			10B	11B		_____L4_____	14B	15B

**NOTE :**

1. As far as possible Wednesday afternoon to be kept free in Timetable.
2. UG HSS / Institute Elective courses will run in Slot 2.
3. PG Institute Elective courses will run in Slot 6.
4. Second year minor courses & Backlog courses will run in slot 5.