

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Courses offered by the Department of Mathematics in Spring 2009

December 24, 2008

Course No.	Course Name	Instructor (s)
MA 002	Preparatory Mathematics II	Prof. K. D. Joshi
MA 105	Calculus	Prof. B. V. Limaye
MA 106	Linear Algebra	Prof. R. Raghunathan* and Prof. R. P. Kulkarni
MA 108	Differential Equations I	Prof. R. Raghunathan* and Prof. R. P. Kulkarni
MA 214	Numerical Analysis	Prof. S. Baskar*
MA 406 §	General Topology	Prof. Shripad M. Garge
MA 408	Measure Theory	Prof. Swapneel A. Mahajan
MA 410	Multivariable Calculus	Prof. A. R. Shastri
MA 412	Complex Analysis	Prof. Ameer Athavale
MA 414	Algebra I	Prof. Manoj K. Keshari
MA 508	Mathematical Methods	Prof. V. D. Sharma
<i>MA 510</i>	Intro. to Algebraic Geometry	Prof. U. K. Anandavardhanan
MA 516	Algebraic Topology	Prof. Gopal K. Srinivasan
MA 522 §	Fourier Analysis and Applications	Prof. Sivaji Ganesh Sista
<i>MA 534</i>	Modern Theory of PDE	Prof. Amiya K. Pani
<i>MA 538</i>	Rep. Theory of Finite Groups	Prof. Murali K. Srinivasan
<i>MA 556</i>	Differential Geometry	Prof. Akhil Ranjan
<i>SI 402</i>	Statistical Inference	Prof. Alladi Subramanyam
SI 404 ¶	Applied Stochastic Processes	Prof. Rajani R. Joshi
SI 412	Algorithms	Prof. Sivaramakrishnan Sivasubramanian
SI 416	Optimization	Prof. Narayan Rangaraj (IEOR)
SI 418	Advanced Programming and Unix Environment (Lab)	Prof. Amitava Bhattacharya
SI 422	Regression Analysis	Prof. Siuli Mukhopadhyay
<i>SI 509</i>	Time Series Analysis	Prof. Rajani R. Joshi
SI 526	Experimental Designs	Prof. Ashish Das
SI 527 ¶	Introduction to Derivative Pricing	Prof. K. Sureshkumar
<i>SI 530</i>	Statistical Quality Control	Prof. P. Vellaisamy
<i>SI 532</i>	Statistical Decision Theory	Prof. Alladi Subramanyam
<i>SI 534</i>	Nonparametric Statistics	Prof. P. Vellaisamy
MA 812	Algebra II	Prof. Tony J. Puthenpurakal
MA 824	Functional Analysis	Prof. Eric Wambach
<i>MA 844</i>	Topics in Analysis II	Prof. Ravi S. Kulkarni
<i>MA 848</i>	Topics in Geometry II	Prof. Balwant Singh

Note: Instructors-in-Charge are indicated by a star (*) in the case of courses with multiple sections. Course numbers set in **boldface** with **§** against them indicate courses for the minor programme in Mathematics while those with **¶** against them indicate courses for the minor programme in Statistics. Course numbers set in *italics* indicate the M.Sc. and Ph.D. level elective courses. In case of insufficient enrollment, some of these elective courses may be cancelled.