

SVKM'S NMIMS
School of Mathematical Sciences
B.Sc. Mathematics
COURSE STRUCTURE

Course	Credits
Semester I	
Basics of Programming Language	3
Linear Algebra	3
Elementary Number Theory	3
Discrete Mathematics	3
Elementary Calculus	3
Numerical Methods	3
Communication Skills	1
People and Personal Management	1

Course	Credits
Semester III (Tentative)	
Complex Analysis	3
Partial Differential Equations	3
Optimization Theory	3
Measure Theory	3
Multi-Variate Statistics	3
Multi-Variate Calculus	3
Logic of Mathematics	1
History of Mathematics	1

Semester II (Tentative)	
Ordinary Differential Equations	3
Real Analysis	3
Combinatorics and Graph Theory	3
Probability and Statistics	3
Topology of Metric Spaces	3
Vector Calculus	3
English Literature	1
Philosophy of Mathematics	1

Semester IV (Tentative)	
Topology and Geometry	3
Fourier Analysis	3
Abstract Algebra	3
Stochastic Processes	3
Functional Analysis	3
Theory of Estimation	3
Environmental Science	1
International English Literature	1