

SVKM'S NMIMS UNIVERSITY
SUNANDAN DIVATIA SCHOOL OF SCIENCE
 Department of Statistics
 B.Sc. Applied Statistics & Analytics
 Course Structure

Year	FIRST		SECOND		THIRD	
Semester	1	2	3	4	5	6
Statistics	Descriptive Statistics - I (3 +1)	Descriptive Statistics - II (3+1)	Sampling Theory (2)	Hypothesis Testing (4)	Time Series & Forecasting (3+1)	Introduction to Data Science (3)
	Introduction to Probability Theory (4)	Discrete Probability Distributions (3)	Estimation Theory (3)	Designs of Experiments (2 +1)	Statistics in Life Sciences(4)	Quality Management (3+1)
		Continuous Probability Distributions (4)	Sampling Distributions & Applications (2+1)	Stochastic Processes (4)	Operations Research - II (3+1)	Statistical Modelling in Marketing Analytics (4)
			Operations Research - I (3+1)	Actuarial Science (4)	Principles of Marketing (4)	Statistical Modelling in Financial Risk (4)
					Fundamentals of Financial Risk (4)	
Mathematics	Discrete Mathematics (4)	Numerical methods (2+1)	Multivariate Calculus (4)			
	Calculus and Differential Equations (4)	Linear Algebra (4)				
Computers	Functional Programming (2+1)	Python Programming (0+1)	Introduction to R (0+1)	Data Management (2+1)	Visual Analytics (0+1)	Data Science Using R (0+1.5)
Economics	Micro Economics (4)	Macro Economics (4)	Financial Economics (4)	Applied Economics (4)		
Skills Development	**Effective Communication (2)	Enviromental Studies (3 + .5 ^)	**Research Methods (2)	**Research Writing (2)	**Employability Skills (2)	**Business Ethics (2)
Projects			**Project (2)	**Project (2)	**Project (2)	Project (3)
Total Credits (149)	25	26.5	25	26	25	21.5

** Internal Evaluation Only

^ 0.5 credit for EVS Field Trip.