

Course Outline: M.Sc. Biostatistics

Semester- I	
Sub Code	Subject Name
MBS 601	Mathematics Foundation
MBS 603	Probability and Probability distributions
MBS 605	Statistical Inference
MBS 607	Non - Parametric Methods
MBS 609	Data Management & Statistical Computing I
Semester-II	
Sub Code	Subject Name
MBS 602	Epidemiology and Health Surveys
MBS 604	Linear & generalized linear Models
MBS 606	Categorical Data Analysis & Bayesian Methods
MBS 608	Design of Experiments and Clinical Trials
MBS 610	Data Management and Statistical Computing II
MBS 612	2 Seminars + 1Journal Presentation

Semester-III	
Sub Code	Subject Name
MBS 701	Applied Multivariate Analysis
MBS 703	Hierarchical linear and general linear models
MBS 705	Survival Analysis
MBS 707	Elective
MBS 709	Data Management and Statistical Computing III
MBS 711	2 Seminars + 1Journal Presentation
Semester-III (Electives)	
Sub Code	Subject Name
MBS 707.1	Statistical genetics and genetic epidemiology
MBS 707.2	Non-parametric and non-linear regression
MBS 707.3	Stochastic process
MBS 707.4	Advanced Linear Algebra & Linear Model
MBS 707.5	Time series analysis
MBS 707.6	Statistical methods in evidence synthesis

Semester-IV

Sub Code	Subject Name
MBS 799	Project
MBS 702	Internship