M.Sc. in Bio-Statistics

List of Courses:

Code	Title	Credits	Option
First Semester			
ST 5101	Calculus and Matrix Algebra	2	Prerequisite
ST 5102	Basic Statistics	2	Prerequisite
ST 5103	Data Analysis Using Statistical Software	3	Compulsory
ST 5151	Statistical Theory	4	Compulsory
ST 5153	Modeling Binary Data	2	Compulsory
ST 5155	Designs and Analysis of Experiments	2	Compulsory
ST 5198	Directed Study	2	Elective
ST 5199	Seminar	1	Elective
ST 5104	Sampling Techniques	2	Elective
ST 5105	Time Series Analysis	2	Elective
ST 5106	Computer Programming	2	Elective
ST 5152	Exploratory and Robust Data Analysis	2	Elective
ST 5154	Statistical Genetics	2	Elective
ST 6101	Vector Analysis	2	Elective
ST 6102	Measure Theory	2	Elective
ST 6103	Group Theory	2	Elective
ST 6104	Graph Theory	3	Elective
ST 6151	Variance Components Estimation	2	Elective
Second Semester			
ST 5203	Regression Analysis	2	Compulsory
ST 5204	Nonparametric Statistics	2	Compulsory
ST 5205	Categorical Data Analysis	2	Compulsory
ST 5252	Design and Analysis of Epidemiological Studies and Clinical Trials	2	Compulsory
ST 5201	Advanced Calculus	2	Elective
ST 5251	Statistical Methods for Analysis of Spatial Data	3	Elective
ST 5253	Crop Experimentation	1	Elective
ST 5254	Animal Experimentation	2	Elective
ST 5255	Statistical Quality Control	2	Elective
ST 6201	Linear Models	3	Elective
ST 6202	Multivariate Statistical Methods	3	Elective
ST 6203	Stochastic Processes	2	Elective
ST 6251	Statistical Computing	2	Elective
ST 6253	Statistical Methods for Behavioural Sciences	2	Elective
ST 6254	Advanced Design and Analysis of Experiments	2	Elective