

Programme Structure					
Semester	Course Code	Course Name	Credit Value	Status	Th/Pr
1	MIS1112	Basic statistics in industry	2	C	Th
	MIS1122	Introduction to Probability and Distributions	2	C	Th
	MFM1112	Computing for Finance 1	2	C	Pr
	MSF1113	Calculus I	3	C	Th
	MFM1122	Operational Research I	2	C	Th
	MFM1132	Financial Management	2	C	Th
	MSF1123	Programming Techniques	3	C	Th
2	MIS1213	Mathematical Statistics	3	C	Th
	MIS1222	Statistical Computing (R and Python software)	2	C	Pr
	MFM1213	Financial Mathematics I	3	C	Th
	MFM1222	Introduction to Economics	2	C	Th
	MSF1212	Numerical Analysis I	2	C	Th
	MSF1222	Operational Research II	2	C	Th
	MSF1233	File organization and DBMS	3	C	Th
3	MIS2113	Inferential Statistics	3	C	Th
	MIS2122	Sampling Techniques and survey designs	2	C	Th
	MSF2112	Calculus II	2	C	Th
	MFM2112	Mathematical Economics	2	C	Th
	MSF2122	Research Methodology	2	C	Th
	MSF2132	Linear Algebra	2	C	Th
	MFM2123	Financial Mathematics II	3	C	Th
4	MIS2213	Regression Analysis	3	C	Th
	MIS2223	Survival Analysis	3	C	Th
	MFM2213	Financial Mathematics III (Market Models and Risk Management in Discrete Time)	3	C	Th
	MSF2212	Calculus III	2	C	Th
	MFM2222	Computing for Finance II	2	C	Pr
	MSF2223	Numerical Analysis II	3	C	Th
	MIS2231	Case Study I	1	C	Pr
5	MFM3113	Financial Time Series	3	C	Th
	MIS3113	Design and Analysis of Experiment	3	C	Th

	MFM3123	Life Insurance	3	C	Th
	MFM3133	Financial Mathematics IV (Market Models and Risk Management in Continuous Time)	3	C	Th
	MFM3142	Operational Research III	2	C	Th
	MIS3122	Non-Parametric Statistics	2	C	Th
	MSF3112	Decision Theory	2	C	Th
	MFM3151	Case Study II	1	C	Pr
6	MIS3212	Bayesian Inference	2	C	Th
	MIS3222	Multivariate Data Analysis	2	C	Th
	MFM3213	Non-Life Insurance	3	C	Th
	MFM3222	Computing for Finance III	2	C	Pr
	MFM3232*	Business Proposals and Report Writing	2	C(Elective)	Th
	MSF3212	Fundamentals of Management	2	C	Th
	MSF3222*	Scientific Writing and Communication	2	C(Elective)	Th
	MIS3232	Stochastic Processes	2	C	Th
7	MSF4116	Industrial Training	6	C (Non GPA)	
	MSF4126	Research Project	6	C	
8	MIS4212	Statistical Quality Control	2	O	Th
	MIS4222	Reliability Theory	2	O	Th
	MIS4232	Categorical Data Analysis	2	O	Th
	MFM4212	Credibility	2	O	Th
	MFM4222	Computing for Finance IV	2	C	Pr
	MFM4232	Stochastic Processes in Finance	2	O	Th
	MFM4242	Measure-theoretic Probability with Applications in Finance	2	O	Th
	MIS4241	Statistical Consulting	1	C	Pr
	MFM4252	Introduction to Information Theory & Information Geometry with Applications to Finance	2	O	Th
	MSF4212	Human Resource Management	2	O	Th

MFM3232* and MSF3222* are elective, but one of these options must be taken.