

Programme Curriculum

Curriculum – Common Core (Semester 1, 2 & 3)

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 1											
IM1100	Microeconomics	Core	2		2				30	70	
DS1170	Mathematical Methods for Business - I	Core	2		2				30	70	
DS 1100	Probability and Statistics for Business	Core	1	3	2				30	70	
IM1200	Principles of Management & Organizational Behaviour	Core	3		3		18		30	70	
DS1000	Principles of Programming	Core	2	3	3				70	30	
DS1910	Seminar I - Analysis of Business Environment	Core	1	3	2				100	-	
IM1210	Business Communication Skills	Core	1	3	2				50	50	
IM1600	Financial Accounting	Core	2		2				30	70	
Total time tabled hours			11	12							
Total for Semester 1							18	0			

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum

Financial Analytics (FA) Specialization

Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 2											
IM1610	Financial Management	Core	2		2						
DS1170	Mathematical Methods for Business -II	Core	2	3	3		13		30	70	
IM1400	Principles of Marketing	Core	2	3	3				30	70	
DS1010	Introduction to Databases	Core	2	3	3				30	70	
DS1920	Seminar II - Analysis of Business Environment	Core	1	3	2				100	-	
DS1950	Independent Study -I	Core		3		1		1	100	-	
Total time tabled hours			10	15							
Total for Semester 2							13	1			

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum

Financial Analytics (FA) Specialization

Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 3											
IM2100	Macroeconomics	Core	2		2				30	70	
TM2710	Operations Management – I	Core	2		2				40	60	
IM2600	Management Accounting – I	Core	2		2		16		30	70	
DS2030	Management Information Systems	Core	2		2				30	70	
DS2910	Seminar III - Analysis of Business Environment	Core	1	3	2				100	-	
DS2300	Introduction to Business Analytics	Core	2		2				40	60	
DS2120	Introduction to Stochastic Methods in Business	Core	2		2				30	70	
TM2720	Introduction to Business Process Management	Core	2		2				30	70	
Total time tabled hours			15	3							
Total for Semester 3							16	0			

Financial Analytics Specialization

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum

Financial Analytics (FA) Specialization

Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 4											
IM2620	Corporate Finance	Core	2		2				30	70	
DS2140	Fundamentals of Stochastic Calculus	Core	3		3				30	70	
DS2160	Computation and Simulation	Core	2	3	3				50	50	
TM2730	Operational Research	Core	2		2		18		30	70	
DS2020	Data Structures and Algorithms	Core	2	3	3				30	70	
DS2920	Seminar IV - Analysis of Business Environment	Core	1	6	3				100	-	
DS2010	System Analysis and Design	Core	2		2				30	70	
DS2900	Independent Study – II	Core		3		1		1	100	-	
Total time tabled hours			14	15							
Total for Semester 4							18	1			

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum

Financial Analytics (FA) Specialization

Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 5											
IM3600	Financial Markets	Core	2		2				30	70	
IM3610	Money and Banking	Core	2		2				30	70	
DS3100	Statistical Methods for Business	Core	2	3	3				30	70	
DS3160	High Performance Computing Platforms	Core	2	3	3		18		40	60	
DS3920	Seminar V –Financial Intelligence	Core	1	6	3				100	-	
DS3600	Financial Analysis with Bloomberg	Core	1	3	2				60	40	
DS3180	Multivariate Methods in Business	Core	2	3	3				30	70	
Total time tabled hours			12	18							
Total for Semester 5							18	0			

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum

Financial Analytics (FA) Specialization

Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 6											
DS3500	Financial Risk Management	Core	3		3				30	70	
DS3200	Optimization Techniques in Finance	Core	2	3	3				30	70	
DS3120	Financial Time Series Analysis	Core	2	3	3				30	70	
DS3220	Advanced Linear Models	Core	1	3	2		18		30	70	
IM3230	Professional Ethics	Core	2		2				30	70	
IM3240	Legal Aspects of Business	Core	2		2				30	70	
DS3940	Seminar VI–Financial Intelligence	Core	1	6	3				100	-	
Total time tabled hours			13	15							
Total for Semester 6							18	0			

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum
 Financial Analytics (FA) Specialization
 Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)	
					GPA	NGPA	GPA	NGPA	CA	WE
Internship after Semester 6										
	Internship	Core								6
<i>Total for Internship</i>										6

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum
 Financial Analytics (FA) Specialization
 Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 7											
DS4520	Computational Economics	Core	2		2				30	70	
DS4540	Portfolio Management and Wealth Planning	Core	2		2				30	70	
DS4990	R & D Project	Core			4		13		100	-	
DS4220	Statistical Learning	Core	2	3	3				30	70	
DS4910	Seminar VII –Financial Intelligence	Core	1	3	2				60	40	
DS3570	Data Mining	Elective	2	3	3		2		30	70	
IM4600	Behavioural Finance	Elective	2		2				30	70	
Total time tabled hours			9	9							
Total for Semester 7							15	0			

Bachelor of Business Science (B BSc) Honours Degree Programme Curriculum

Financial Analytics (FA) Specialization

Faculty of Business

Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm		Evaluation (%)		
					GPA	NGPA	GPA	NGPA	CA	WE	
Semester 8											
DS4560	Dynamic Asset Pricing Theory	Core	3		3				30	70	
DS4580	Credit Risk Modelling and Management	Core	3		3		12		30	70	
DS 4990	R & D Project	Core			4				100	-	
DS4920	Seminar VIII - Financial Intelligence	Core	1	3	2				60	40	
DS4550	Econometric Methods in Finance	Elective	2		2				30	70	
IM4220	International Business & Trade	Elective	2		2		4		30	70	
IM4240	Strategic Management	Elective	2		2				40	60	
Total time tabled hours			13	6							
Total for Semester 8							16	0			
Total for the Programme							132	8			

