SCHEME OF STUDIES
COMPUTATIONAL FINANCE

Batch 2016-17

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
SPRING	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	HS-104 Functional English	3	0	3
	***MT-155 Introduction to Financial Accounting**	**3**	**0**	**3**
	HS-205 Islamic Studies OR			
	HS-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Computer Applications in Finance	1	2	2
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	HS-105 Pakistan Studies OR			
	HS-127 Pakistan Studies (for Foreigners)	2	0	2
	****HS-229 Introduction to Islamic Accounting**	**3**	**0**	**3**

* Revised vide Resolution No.SYN-180.5(a)(xx)

Batch 2017

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 17-18	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	HS-104 Functional English	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	HS-205 Islamic Studies OR			
	HS-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Computer Applications in Finance	1	2	2
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	HS-105 Pakistan Studies OR			
	HS-127 Pakistan Studies (for Foreigners)	2	0	2
SPRING 2018	**HS-229 Chinese Language-I**		**NC**	

* Revised vide Resolution No.AC-146.4

Batch 2018

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2018	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	HS-104 Functional English	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	HS-205 Islamic Studies OR			
	HS-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Computer Applications in Finance	1	2	2
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	HS-105 Pakistan Studies OR			
	HS-127 Pakistan Studies (for Foreigners)	2	0	2
SPRING 2019	HS-229 Chinese Language-I		NC	

Batch 2019

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2019	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	HS-104 Functional English	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	HS-205 Islamic Studies OR			
	HS-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Computer Applications in Finance	1	2	2
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	HS-105 Pakistan Studies OR			
	HS-127 Pakistan Studies (for Foreigners)	2	0	2
	HS-202 Cost Accounting	**3**	**0**	**3**
	HS-220 Chinese Language-I		NC	
	Vide AC-144.5(iv)			

Batch 2020

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2020	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	HS-104 Functional English	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	HS-205 Islamic Studies OR			
	HS-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Computer Applications in Finance	1	2	2
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	HS-105 Pakistan Studies OR			
	HS-127 Pakistan Studies (for Foreigners)	2	0	2
	EC-202 Cost Accounting	3	0	3
	HS-220 Chinese Language-I		NC	
SPRING 2021	HS-200 Community Service		NC	

Batch 2021

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2021	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	HS-104 Functional English	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	HS-205 Islamic Studies OR			
	HS-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Computer Applications in Finance	1	2	2
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	HS-105 Pakistan Studies OR			
	HS-127 Pakistan Studies (for Foreigners)	2	0	2
	EC-202 Cost Accounting	3	0	3
	HS-220 Chinese Language-I		NC	
	HS-231 Turkish Language-I		NC	
	HS-224 German Language-I		NC	
	HS-226 French language-I		NC	
SPRING 2022	***HS-231 Turkish Language-I**		**NC**	

* Changed Vide Resolution No. AC-154.4(i)

Batch 2022

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2022	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	HS-104 Functional English	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	HS-205 Islamic Studies OR			
	HS-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Computer Applications in Finance	1	2	2
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	HS-105 Pakistan Studies OR			
	HS-127 Pakistan Studies (for Foreigners)	2	0	2
	EC-202 Cost Accounting	3	0	3
	HS-220 Chinese Language-I		NC	
	HS-231 Turkish Language-I		NC	
	HS-224 German Language-I		NC	
	HS-226 French language-I		NC	
SPRING 2023	***HS-232 Turkish Language-II**		**NC**	

* Changed Vide Resolution No. AC-154.4(ii)

Batch 2023

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2023	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	****EA-104 Functional English**	**3**	**0**	**3**
	MT-155 Introduction to Financial Accounting	3	0	3
	****ES-205 Islamic Studies OR**			
	****ES-209 Ethical Behavior (Non-Muslim)**	**2**	**0**	**2**
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-154 Introduction to Mathematical Finance	**3**	**0**	**3**
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	****ES-105 Pakistan Studies OR**			
	****ES-127 Pakistan Studies (for Foreigners)**	**2**	**0**	**2**
	EC-202 Cost Accounting	3	0	3
SPRING 2024	***EA-220 Chinese Language-I**		**NC**	

* Changed vide Resolution No. AC-154.5(vi)

** Under Section 28(iv) Offiec Order Acad(42)196)16911

*** Under Section 28(iv) Offiec Order Acad(42)196)16909

Batch 2024

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2024	MT-151 Calculus-I	3	0	3
	MT-153 Principles of Economics	3	0	3
	EA-104 Functional English	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	ES-205 Islamic Studies OR			
	ES-209 Ethical Behavior (Non-Muslim)	2	0	2
	CT-153 Programming Languages	3	1	3
	MT-152 Calculus-II	3	0	3
	MT-156 Introduction to Mathematical Finance	3	0	3
	CT-157 Data Structure Algorithm & Application	3	1	4
	MT-156 Discrete Mathematics	3	0	3
	ES-105 Pakistan Studies OR			
	ES-127 Pakistan Studies (for Foreigners)	2	0	2
	EC-202 Cost Accounting	3	0	3
SPRING 2025	***EA-220 Chinese Language-I**		**NC**	

* Changed vide Resolution No. AC-154.5(vi)

Batch 2025

FIRST YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2025	ES-206 Islamic Studies OR	2	0	2
	ES-208 Ethical Behavior (Non-Muslim)	2	0	2
	ES-108 Develop and Constitution of Pakistan	2	0	2
	AF-101 IT Fundamentals & Applications	2	1	3
	MT-101 Quantitative Reasoning -I	3	0	3
	MT-153 Principles of Economics	3	0	3
	MT-155 Introduction to Financial Accounting	3	0	3
	EA-128 Functional English	3	0	3
	MT-102 Quantitative Reasoning -II	3	0	3
	CT-157 Data Structure Algorithm & Application	3	1	4
	ES-105 Pakistan Studies OR			
	ES-127 Pakistan Studies (for Foreigners)	2	0	2
	CT-153 Programming Languages	2	1	3
SPRING 2026	**Changed with vide Resolution No. AC-168.7(vi)**			

Batch 2016-17

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 17-18	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	HS-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	MT-254 Statistical Inference	3	0	3
	MT-255 Introduction to Mathematical Finance	3	0	3
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3

Batch 2017

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2018	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	HS-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	HS-221 Chinese Language-II		**NC**	
	MT-254 Statistical Inference	3	0	3
	MT-255 Introduction to Mathematical Finance	3	0	3
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
SPRING 2019	***HS-229 Chinese Language-I**		**NC**	

* Changed vide Resolution No. AC-146.4

Batch 2018

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2019	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	HS-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	HS-221 Chinese Language-II		NC	
	MT-254 Statistical Inference	3	0	3
	MT-255 Introduction to Mathematical Finance	3	0	3
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
SPRING 2020	***HS-229 Chinese Language-I**		**NC**	

Batch 2019

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2020	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	HS-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	HS-221 Chinese Language-II		NC	
	MT-254 Statistical Inference	3	0	3
	MT-255 Introduction to Mathematical Finance	3	0	3
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
SPRING 2021	***HS-229 Chinese Language-I**		**NC**	

Batch 2020

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2021	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	HS-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	HS-221 Chinese Language-II		NC	
	MT-254 Statistical Inference	3	0	3
	MT-255 Introduction to Mathematical Finance	3	0	3
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
SPRING 2022	***HS-229 Chinese Language-I**		**NC**	

Batch 2021

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2022	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	***EA-201 Oral Communications**	**2**	**1**	**3**
	MT-253 Microeconomics	3	0	3
	***HS-232 Turkish Language-II**		**NC**	
	***EA-232 Chinese Language-II**		**NC**	
	***EA-232 Turkish Language-II**		**NC**	
	***EA-225 German language-II**		**NC**	
	***EA-227 French language-II**		**NC**	
	MT-254 Statistical Inference	3	0	3
	MT-255 Introduction to Mathematical Finance	3	0	3
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
	***EA-200 Community Service**		**NC**	
SPRING 2023	***EA-221 Chinese Language-II**		**NC**	

* Changed Vide Resolution No. AC-154.4(ii)

Batch 2022

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2023	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	EA-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
	MT-254 Statistical Inference	3	0	3
	***MT-154 Computer Applications in Finance**	**1**	**2**	**3**
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
	EA-200 Community Service		NC	

* Changed vide Resolution No. AC-168.4(iv)

* Under Section 28(iv) Offiec Order Acad(42)196)16909

Batch 2023

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2024	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	EA-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
	MT-254 Statistical Inference	3	0	3
	MT-154 Computer Applications in Finance	**1**	**2**	**3**
	MT-227 Differential Equations	3	0	3
	MT-256 Macroeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
	EA-200 Community Service		NC	

* Changed vide Resolution No. AC-168.4(iv)

Batch 2024

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2025	MT-272 Linear Algebra & Geometry	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-252 Introduction to Probability & Statistics	3	1	4
	EA-201 Oral Communications	2	1	3
	MT-253 Microeconomics	3	0	3
	MT-257 Stochastic Calculus	3	0	3
	MT-254 Statistical Inference	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-154 Computer Applications in Finance	1	2	3
	MT-256 Macroeconomics	3	0	3
	EA-200 Community Service		NC	

Batch 2025

SECOND YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2026	MT-253 Microeconomics	3	0	3
	EC-202 Cost Accounting	3	0	3
	MT-155 Introduction to Mathematical Finance	3	0	3
	MT-171 Differential and Integral Calculus	3	0	3
	EA-244 Academic Reading & Writing	3	0	3
	MT-156 Discrete Mathematics	3	0	3
	MT-256 Statistical Calculus	3	0	3
	MT-251 Multivariate Calculus	4	0	4
	MT-154 Computer Applications in Finance	1	2	3
	MT-256 Macroeconomics	3	0	3
	EA-200 Community Service		NC	
SPRING 2027	**Changed with vide Resolution No. AC-168.7(vi)**			

Batch 2016-17

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2018	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	HS-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	HS-311 Logic & Critical Thinking	3	0	3

Batch 2017

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2019	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	HS-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	HS-311 Logic & Critical Thinking	3	0	3
SPRING 2020	***EA-143 Foreign Language-I**		**NC**	

Batch 2018

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2020	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	HS-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	HS-311 Logic & Critical Thinking	3	0	3
SPRING 2021	*** Changed vide Resolution No. AC-143.4**			

Batch 2019

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2021	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	HS-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	HS-311 Logic & Critical Thinking	3	0	3
SPRING 2022	*** Changed vide Resolution No. AC-143.4**			

Batch 2020

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2022	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	HS-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	HS-311 Logic & Critical Thinking	3	0	3
SPRING 2023	*** Under Section 28(iv) Offiec Order Acad(42)196)16909**			

Batch 2021

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2023	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	***EA-301 Business and Organizational Communications**	**3**	**0**	**3**
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	***EA-311 Logic & Critical Thinking**	**3**	**0**	**3**
SPRING 2024	*** Under Section 28(iv) Offiec Order Acad(42)196)16909**			

Batch 2022

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2024	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	EA-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	EA-311 Logic & Critical Thinking	3	0	3
SPRING 2025	*** Changed vide Resolution No. AC-168.5(i)**			

Batch 2023

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2025	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	EA-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	EA-311 Logic & Critical Thinking	3	0	3
SPRING 2026	***EA-ES Foreign Language-I**		**NC**	

* Changed vide Resolution No. AC-155.3(iii)

** Changed Vide Resolution No.AC-165.5(ii)

Under Section 28(iv) Offiec Order Acad(42)196)16909

Batch 2024

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2026	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	EA-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	SE-307 E-Commerce	3	1	4
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	EA-311 Logic & Critical Thinking	3	0	3
SPRING 2027	EA-ES Foreign Language-I		NC	

Batch 2025

THIRD YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2027	MT-351 Operations Research	3	0	3
	MT-352 Financial Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	MT-354 Financial Derivatives	3	0	3
	EA-301 Business and Organizational Communications	3	0	3
	MT-442 Numerical Methods	3	0	3
	MT-353 Discrete-Time Finance	3	0	3
	MT-355 Financial Risk Management	3	0	3
	MT-356 Stochastic Models in Finance	3	0	3
	SE-307 E-Commerce	3	1	4
	EA-311 Logic & Critical Thinking	3	0	3
SPRING 2028	EA/ES Foreign Language-I		NC	
	Changed with vide Resolution No. AC-168.7(vi)			

Batch 2016-17

FINAL YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2019	HS-403 Entrepreneurship	3	0	3
	MT-451 Continuous-Time Finance	3	0	3
	MT-###[illegible] Elective-1	3	0	3
	MT-###[illegible] Elective-2	3	0	3
	MT-460 *Computational Finance Project	0	3	3
SPRING 2020	MT-455 Econometrics	3	0	3
	MT-456 Financial Engineering	3	0	3
	MT-###[illegible] Elective-3	3	0	3
	MT-###[illegible] Elective-4	3	0	3
	MT-460 *Computational Finance Project	0	3	3

* Duration one academic year: Requires literature survey and preliminary work

Elective Courses	
MT-452	Financial Modelling
MT-453	Organizational Design and Implementation
MT-454	Fuzzy Sets and Fuzzy Logic
MT-457	Numerical Computing in Finance
MT-458	Islamic Banking & Financial System
MT-459	Actuarial Science

*** Changed vide Its Resolution No.AC-146.4**

Batch 2017

FINAL YEAR ---------- SEMESTER SYSTEM

Course Code	Course Title	Cred Hrs Th	Pr	T
	Computational Finance			
FALL 2020	***MG-481 Entrepreneurship**	**3**	**0**	**3**
	MT-451 Continuous-Time Finance	3	0	3
	MT-###[illegible] Elective-1	3	0	3
	MT-###[illegible] Elective-2	3	0	3
	MT-460 *Computational Finance Project	0	3	3
SPRING 2021	MT-455 Econometrics	3	0	3
	MT-456 Financial Engineering	3	0	3
	MT-###[illegible] Elective-3	3	0	3
	MT-###[illegible] Elective-4	3	0	3
	MT-460 *Computational Finance Project	0	3	3

* Duration one academic year: Requires literature survey and preliminary work

Elective Courses	
MT-452	Financial Modelling
MT-453	Organizational Design and Implementation
MT-454	Fuzzy Sets and Fuzzy Logic
MT-457	Numerical Computing in Finance
MT-458	Islamic Banking & Financial System
MT-459	Actuarial Science

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