# UNIVERSITY OF MUMBAI No. UG/ 116 of 2017-18

# CIRCULAR:-

The Director, Garware Institute of Career Education & Development and the Principals of the affiliated Colleges in Science, Technology and the Heads of recognized Institutions concerned are hereby informed that the recommendation made by the Advisory Committee & Board of Management of Garware Institute of Career Education & Development at its meeting held on 5<sup>th</sup> May, 2017 has been accepted by the Academic Council at its meeting held on 11<sup>th</sup> May, 2017 vide item No. 4.291 and subsequently approved by the Management Council at its meeting held on 17<sup>th</sup> May, 2017 vide item No.86 and that in accordance therewith, in exercise of the powers conferred upon the Management Council under Section 74(4) of the Maharashtra Public Universities Act, 2016(Mah. Act No.VI of 2017) and the Ordinances 6370 and 6371 and Regulations 9095 and 9096 and the syllabus as per the (CBCS) for the Master in Global Financial Marktes (Sem. I to IV) has been introduced, which is available on the University's website (www.mu.ac.in) and that the same has been brought into force with effect from the academic year 2017-18.

MUMBAI - 400 032 AH July, 2017 To, REGISTRAR

The Director, Garware Institute of Career Education & Development and the Principals of the affiliated Colleges in Science, Technology and the Heads of recognized Institutions concerned.

A.C/4.291/11.05.2017 M.C/86/17.05.2017

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No. UG/ 116 -A of 2017

MUMBAI-400 032

2749 July, 2017

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculty of Science and Technology,
- 2) The Offg. Director, Board of Examinations and Evaluation,
- 3) The Director of Board of Studies Development.,
- 4) The Co-Ordinator, University Computerization Centre,

REGISTRAR

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### **UNIVERSITY OF MUMBAI**



### **Syllabus for Approval**

	Heading	Particulars
1	Title of the Course	MASTERS IN GLOBAL FINANCIAL MARKETS
2	Eligibility for Admission	<ol> <li>Graduates with minimum 50% from a recognized University having a flair for numbers can apply.</li> <li>Consideration will be given to SC/ST candidates and Persons with Disability (PWD).</li> <li>Admissions on the basis of Written Test &amp; Interview.</li> </ol>
3	Passing Marks	50% PASSING MARKS
4	Ordinances / Regulations ( if any)	
5	No. of Years / Semesters	2 YEARS / 4 SEMESTERS
6	Level	GRADUATE
7	Pattern	SEMESTER
8	Status	NEW
9	To be implemented from Academic Year	From Academic Year 2017-18

Date: 11/5/2017 Signature:

Dr. Anil Karnik, I/C. Director, Garware Institute of Career Education & Development



#### **UNIVERSITY OF MUMBAI'S**

#### GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT



### **Masters in Global Financial Markets**

## **Proposed syllabus**

# Credit Based Semester and Grading System with effect from the Academic Year

(w.e.f. Academic Year 2017-18)

# UNIVERSITY OF MUMBAI GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT Ordinances, Regulations and Syllabus Relating to Masters in Global Financial Markets (TWO YEAR FULL-TIME COURSE)

#### Preamble / Scope:

The financial markets arena is a field which is constantly evolving; in which updated and specialized knowledge is essential. Financial companies today seek candidates who not only have excellent knowledge of their field and specialist skills, but who can cope with dynamism and lead the company successfully through changes. The innovations of the financial markets, as well as the globalization process and technological changes require highly trained professionals, able to face the challenges of the financial areas of corporate business. They seek individuals who can represent the company in a positive light when dealing with clients and transmitting in them, confidence of the company's ability to manage the funds.

The PGP - Global Financial Markets program is intended to prepare students for a wide range of careers both inside and outside the financial markets industry, including Investment Banking, Fund Management, Debt and Capital Markets, Mergers and Acquisitions, Investment Analysis and Research to name a few.

#### **Objective of the Course:**

#### Learning in practice

The classroom sessions are a combination of lively case study discussions and hands on practice exercises. This ensures that the learning is an enriching experience. To experience our learning sessions is to go inside the issues that matter - and to reach inside yourself for the knowledge, skills, and confidence you will develop to analyze and address complex situations. In every case, class, event, and activity, you are asked not only to develop new skills, but also to demonstrate it.

#### **Blended Learning**

Our Blended learning programs are perhaps the highest impact, lowest cost way to drive major corporate learning initiatives. It offers you the advantages of face to face learning as well as those of technology based learning. We design blended learning programs that are:

- It was well-structured (all steps were well-defined and scheduled in advance);
- Takes advantage of best-in-class media of the day
- Saves time, since part of the learning can be done by learners directly from their desktop
- Helps create a social culture (learners do spent a lot of time together);
- Uses demonstration and experiential learning

Students will have a solid understanding of the fundamental quantitative tools ranging from applied economic theory, probability and statistics, to financial modeling and securities law all of which are becoming increasingly vital in the financial industry. As for any aspirant looking forward to entering this vibrant field, it is essential to have sound technical knowledge. However at the same time, it is also essential for one to be well versed in their soft skills, that is, their communication abilities and overall presentation. One cannot learn about the financial markets operations without participating in it. Keeping this in mind the PGP - Global Financial Markets from BIL has been designed to interlace practical sessions such as case study discussions, projects, group discussions, class presentation, simulation programs and internships along with the theory sessions so that the students can correlate between theory and practice and develop a wholesome understanding of the subject.

#### **SEMESTER-WISE SYLLABUS**

	Subject Code	Core Subjects			Assessi	nent Pa	ttern		
			Internal Marks 60	Exte rnal Mar ks 40	Total Marks	Theor y Hrs	Prac tical Hrs	Total Hrs	Total Cred its
	1.1	Business Communication	60	40	100	45	-	45	3
	1.2	Financial Accounting	60	40	100	45	-	45	3
	1.3	Business Statistics	60	40	100	45	-	45	3
	1.4	Dealing with Data	60	40	100	45	-	45	3
SEMESTER I	1.5	Economics Environment of Business	60	40	100	45	-	45	3
SEI	1.6	Introduction to Financial Management	60	40	100	45	-	45	3
	1.7	Financial Information Systems	60	40	100	45	-	45	3
	1.8	Fintech Personal Finance and Payments	60	40	100	45	-	45	3
					800	360		360	24
	2.9	Marketing & Sales of Financial Products	60	40	100	45	-	45	3
	2.10	Business Law	60	40	100	45	-	45	3
I	2.11	Business Research Methods	60	40	100	45	-	45	3
TER I	2.12	Competitive Strategy	60	40	100	45	1	45	3
SEMESTER II	2.13	Leadership Development	60	40	100	45	-	45	3
SE	2.14	Fund Management & Portfolio Selection	60	40	100	45	-	45	3
	2.15	Strategic Financial Management	60	40	100	45	-	45	3
	2.16	Derivatives	60	40	100	45	-	45	3
					800	360		360	24

	3.17	International Business	60	40	100	45	_	45	3
		international Dusiness					_		
	3.18	Strategic Management	60	40	100	45	-	45	3
	3.19	Technical Analysis	60	40	100	45	ı	45	3
III	3.20	Debt Markets	60	40	100	45	-	45	3
STER	3.21	FOREX Markets	60	40	100	45	-	45	3
SEMESTER III	3.22	Treasury & Risk Management	60	40	100	45	-	45	3
	3.23	Financial Modelling	60	40	100	45	-	45	3
	3.24	Securities Law	60	40	100	45	-	45	3
	3.25	Summer Internship	100	-	100	-		2 Mth	8
		Total			900	360		450	32
	4.26	Entrepreneurship Management	60	40	100	45	-	45	3
	4.27	Algorithmic Trading	60	40	100	45	-	45	3
ER IV	4.28	Investment Banking	60	40	100	45	-	45	3
SEMESTER IV	4.29	Commodity Market	60	40	100	45	-	45	3
SEN	4.30	SME Finance	60	40	100	45	-	45	3
	4.31	Financial Technology	60	40	100	45	-	45	3
	4.32	Project Work	100	-	100	-			2
					700	270		360	20
		Final Total			3200	1350		1530	100

#### **SUBJECT-WISE SYLLABUS**

Subject Code	Subjects	Total Hours	Session of 3 Hours	
	SEMESTER I			
1.1	Business Communication	45	15	
	Unit 1 - Introduction to Business Communication Unit 2 - Communicating for Employment Unit 3 - Business Ethics Unit 4 - E-mails, Memos, Routine Letters Unit 5 - Persuasive Writing Unit 6 - Giving Oral Presentations Unit 7 - Formal/Informal Reports Unit 8 - Proposals Unit 9 - Dealing with the Public and Media			
1.2	Financial Accounting Unit 1 - Introduction to Accounting Unit 2 - Double Entry Unit 3 - Accounting Concepts Unit 4 - Accounting Conventions Unit 5 - Basic Accounting Process Unit 6 - Final Accounts Unit 7 - Inventory Accounting Unit 8 - Accounting for Depreciation Unit 9 - Accounting for Capitalization Unit 10 - Financial Statements Unit 11 - Financial Statement Analysis Unit 12 - Balance Sheet, Profit & Loss Account Unit 13 - Ratio Unit 14 - Cash and Funds Flow Statement	45	15	
1.3	Business Statistics Unit 1 - Introduction to Statistical Analysis Unit 2 - Counting, Probability and Probability Distributions Unit 3 - The Normal Distribution Unit 4 - Sampling and Sampling Distribution Unit 5 - Estimation and Hypothesis Testing Unit 6 - Correlation and Regression	45	15	
1.4	Dealing with Data Unit 1 - Introduction to data Unit 2 - Statistical Inference Unit 3 - Exploratory Data Analysis Unit 4 - Basic Machine Learning Algorithms Unit 5 - Feature generation and feature selection Unit 6 - Building a user facing data product	45	15	

	Unit 7 - Data Visualization		
	Unit 8 - Data Science and Ethical Issues		
1.5	Economic Environment of Business	45	15
	Unit 1 - Introduction to Micro Economics		
	Unit 2 - Demand		
	Unit 3 - Utility Concepts		
	Unit 4 - Indifference Analysis		
	Unit 5 - Supply side economics		
	Unit 6 - Equilibrium		
	Unit 7 - Competition and Market Forms		
	Unit 8 - Oligopoly and Duopoly		
	Unit 9 - Introduction to Macro Economics		
	Unit 10 - Aggregate Demand and Supply, GDP		
	Unit 11- Inflation and Interest Rates		
	Unit 12 - Monetary and Fiscal Policy		
	Unit 13 - Fiscal Deficit and Balance of Payments		
	Unit 14 - Exchange Rates		
	ome 17 Enomange races		
1.6	Introduction to Financial Management	45	15
	Unit 1 - characteristics of financial markets		
	Unit 2 - interest rate determinants		
	Unit 3 - Time value of money		
	Unit 4 - Bond pricing		
	Unit 5 - Fundamental Stock Pricing		
	Unit 6 - Finish Stock Pricing		
	Unit 7 - Weighted average cost of capital		
	Unit 8 - Capital Budgeting		
1.7	Financial Information Systems	45	15
	Unit 1 - Introduction and Overview of course topics		
	Unit 2 - Financial Software and Analytic Tools		
	Unit 3 - Banking and Payment Processing Systems		
	Unit 4 - Information Technology in Financial Markets		
	Unit 5 - Financial Markets Infrastructure		
4.0			4 =
1.8	Fintech Personal Finance and Payments	45	15
	Unit 1 – Peer to Peer Currency Exchange Framework		
	Unit 2 – Digital Currencies		
	Unit 3 – Insuretech		
	Unit 4 – Peer to Peer Lending		
	Unit 5 – Regulatory Issues		
	SEMESTER II		
2.9	Marketing and Cales of Financial Droducts	45	15
4.9	Marketing and Sales of Financial Products Unit 1 - Introduction to Marketing	43	13
	Unit 2 - Environment Scanning		
	Unit 2 - Environment Scanning Unit 3 - Marketing Strategy and Consumer buying		
	Unit 4 - Segmentation and Targeting Unit 5 - Positioning		
	Unit 6 - Product and Branding		
	Unit 0 - Frounce and Dranding		

	Unit 7 - Introduction to Services Marketing		
	Unit 8 - Price		
	Unit 9 - Place		
	Unit 10 - Promotion		
2.10	Business Law	45	15
	Unit 1 - Introduction of law and court procedures		
	Unit 2 - Business Crimes and Torts		
	Unit 3 - Government Regulation of Business		
	Unit 4 - Contracts-nature and Capacity to contract		
	Unit 5 - Offer and acceptance		
	Unit 6 - Defective and illegal agreements		
	Unit 7 - Termination of Contract and Consumer Protection		
	Onit 7 - Termination of Contract and Consumer Protection		
2.11	Business Research Methods	45	15
2.11	Unit 1 - Background to Research	73	15
	Unit 2 - Literature Review		
	Unit 3 - Qualitative Methods		
	Unit 4 - Quantitative Methods		
	Unit 5 - Research Proposal		
2.12	Competitive Strategy	45	15
2.12	Unit 1 - Basics of Strategy	43	13
	Unit 2 - Competitive Advantage		
	Unit 3 - Strategic Interactions		
	Unit 4 - Industry Dynamics and Competition		
	Unit 5 - Corporate Strategy		
0.40	Unit 6 - Technology Strategy	4.5	15
2.13	Leadership Development	45	15
	Unit 1 - Foundational Skill Building		
	Unit 2 - Cross Functional Business Approach		
	Unit 3 - Strategy Formulation and Implementation		
	Unit 4 - Leading Charge		
	Unit 5 - Personal Leadership		
2.14	Fund Management and Portfolio Selection	45	15
2.14	Unit 1 - Financial markets and instruments	45	15
	Unit 2 - Active Fund Management and Investor Strategies		
	Unit 3 - Market microstructure		
	Unit 4 - Diversification		
	Unit 5 - Risk and Performance Management		
	Unit 6 - Introduction to Portfolio Management		
	Unit 7 - Portfolio Management Models		
	Unit 8 - Portfolio Manager		
	Unit 9 - Security Analysis		
	Unit 10 - Case Studies and Practical Application		

2.15	Stratogic Financial Managament	45	15
2.15	Strategic Financial Management Unit 1 - Financial management objectives and conflicting	45	13
	stakeholder interests		
	Unit 2 - Financial strategy formulation and ethical issues in		
	financial management		
	Unit 3 - Corporate valuation and strategies for acquisitions and mergers		
	Unit 4 - Application of option pricing theory in investment		
	decisions		
	Unit 5 - International investment and financing decisions		
	Unit 6 - The nature of the equity and debt markets and		
	sources of finance including hybrids		
	Unit 7 - The estimation of cost of capital		
	Unit 8 - Review of capital structure and distribution theory		
	Unit 9 - Option pricing theory and real options		
	Unit 10 - The valuation of intangibles		
	Unit 11 - Methods of interest rate risk and currency risk		
	management		
2.16	Derivatives	45	15
0	Unit 1 - Introduction to Derivatives and Derivative Products		
	Unit 2 - Options		
	Unit 3 - Futures		
	Unit 4 - Types of Margins		
	Unit 5 - Future and Option Strategies		
	Unit 6 - Derivative Markets		
	SEMESTER III		
0.45	T	4.5	4.5
3.17	International Business	45	15
	Unit 1 - Overview of International Business		
	Unit 2 - The evolution of International Business		
	Unit 3 - Regional Economic Integration Unit 4 - The international flow of funds		
	Unit 5 - International Business Environment		
	Unit 6 - Market Entry modes and decision making Unit 7 - International Business Strategies		
	Unit 8 - International HRM		
	Unit 9 - International Marketing		
	Unit 10 - Global Value chain		
	ome to Groom varies chain		
3.18	Strategic Management	45	15
	Unit 1 - The Concept of Strategy		
	Unit 2 - Industry & Competitive Analysis		
	Unit 3 - Competitive Advantage		
	Unit 4 - Competitive Dynamics		
	Unit 5 - Corporate and Global Strategy		

3.19	Tochnical Analysis	45	15
3.19	Technical Analysis	45	15
	Unit 1 - Introduction to Technical Analysis		
	Unit 2 - Theories, Techniques & Benefits		
	Unit 3 - Important Aspects of Technical Analysis		
	Unit 4- Charts and their patterns		
	Unit 5- Technical Indicators		
	Unit 6 - Trend Lines - Support and Resistance		
	Unit 7 - Importance of Volume		
	Unit 8 - Charts and Chart Types		
	Unit 9 - Chart Patterns		
	Unit 10 - Moving Averages		
	Unit 11 - Indicators and Oscillators		
	Unit 12 - Technical Analysis Step by Step		
3.20	Debt Markets	45	15
	Unit 1 - Overview of debt contracts and classification of		
	debt securities		
	Unit 2 - Players and their objectives		
	Unit 3 - Government debt markets		
	Unit 4 - The money market		
	Unit 5 - The repo market		
	Unit 6 - MBS and ABS markets		
	Unit 7 - Fixed income derivatives markets		
	Unit 8 - No-arbitrage and the law of one price		
	Unit 9 - Risks of debt securities		
3.21	FOREX Markets	45	15
	Unit 1 - What is Foreign Exchange, its need and		
	Administration in India		
	Unit 2 - FEDAI, Forex Business Infrastructure in Banks		
	Unit 3 - SWIFT, Different types of forex trades		
	Unit 4 - Different Types of Exchange Rates		
	Unit 5 - Foreign Exchange Arithmetic		
	Unit 6 - Determination of Forex Rates-the factors that affect		
	them		
	Unit 7 - Introduction to International Markets, LIBOR		
	Unit 8 - Raising Funds in the International Markets,		
	Introduction to Bond Markets		
	Unit 9 - Types of Bonds in Different Currencies		
	Unit 10 - Basic Types of Derivatives		
3.22	Treasury & Risk Management	45	15
	Unit 1 - Short term money market instruments like call,		
	repo,reverse repo,cp,cd		
	Unit 2 - fixed income securities like treasury bills, g-secs,		
	state loans		
	crr, slr, ndtl		
	Unit 3 - concepts of compound value, present value, yield,		
	duration,		
	Modified duration, bootstrapping ,zero coupon bonds		
l .	rbi - fixed/ variable auctions, omo, m s bonds		

1	Unit 4 - Risk Measurement & Control		
	Unit 5 - Asset Liability Management		
	Unit 6 - Challenges of BASLE-II		
	Unit 7 - System Audit Significance in Risk Management/		
	mitigations		
	intigations		
3.23	Financial Modelling	45	15
	Unit 1 - Overview of Financial Modeling		
	Unit 2 - Best Practices		
	Unit 3 - Core Statements		
	Unit 4 - Forecasting Revenue and Expenses		
	Unit 5 - Scenario Analysis		
	Unit 6 - Working Capital Schedule – (Assets and Liabilities)		
	Unit 7 - Depreciation and Amortization Schedule		
	Unit 8 - Long-Term Items and completion of income		
	statement logic		
	Unit 9 - Shareholder's equity Schedule		
	Unit 10 - Debt and Interest		
	Unit 11 - Troubleshooting your Financial Model		
	Unit 12- Data Tables		
	Unit 13 - Basics of Valuation		
	Unit 14 - Valuation Of Companies - DDM		
	Unit 15 - Discounted Cash Flow Model		
	Office 13 - Discounted Cash Flow Model		
3.24	Securities Law	45	15
3.21	Unit 1 - Introduction to Indian Capital Markets	15	13
	Unit 2 - SEBI Act 1992		
	Unit 3 - Securities Contract (Regulations) Act 1956		
	Unit 4 - Companies Act 2013		
	Unit 5 - Company Formation		
	Unit 6 - Corporate Governance		
	Unit 7 - Other Regulations		
3.25	Summer Internship	2	8
	CDM/PCMPD W	months	
	SEMESTER IV		
4.26	Entrepreneurship Management	45	15
4.20		43	13
	Unit 1 - Business Opportunity		
1	Unit 2 - The process of building a business		
1			
	Unit 3 - Idea to business model		
	Unit 4 - Venturing through innovating the business model		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning Unit 6 - Crafting a business plan		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning Unit 6 - Crafting a business plan		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning Unit 6 - Crafting a business plan Unit 7 - Modes of venturing Unit 8 - Raising venture capital		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning Unit 6 - Crafting a business plan Unit 7 - Modes of venturing Unit 8 - Raising venture capital Unit 9 - Mobilizing Resource for the venture		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning Unit 6 - Crafting a business plan Unit 7 - Modes of venturing Unit 8 - Raising venture capital Unit 9 - Mobilizing Resource for the venture Unit 10 - Venturing in emerging markets		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning Unit 6 - Crafting a business plan Unit 7 - Modes of venturing Unit 8 - Raising venture capital Unit 9 - Mobilizing Resource for the venture		
	Unit 4 - Venturing through innovating the business model Unit 5 - Discovery driven planning Unit 6 - Crafting a business plan Unit 7 - Modes of venturing Unit 8 - Raising venture capital Unit 9 - Mobilizing Resource for the venture Unit 10 - Venturing in emerging markets		

4.27	Algorithmic Trading	45	15
	Unit 1 - Introduction and Overview of Algorithmic Trading		
	Unit 2 - The Mathematics of Algorithmic Trading		
	Unit 3 - Global Trends in Algorithmic Trading		
	Unit 4 - Lifecycle of Algorithmic Trading		
	Unit 5 - Risk, Costs and Roles in Algorithmic Trading		
	Unit 6 - The trading strategies		
	Unit 7 - Business aspect of algorithmic trading		
	Unit 8 - India in algorithmic trading		
4.28	Investment Banking	45	15
	Unit 1 - Overview of Investment banking.		
	Unit 2 - Investment banking Activities		
	Unit 3 - Raising Equity Capital		
	Unit 4 - IPO Process		
	Unit 5 - Private Equity Investments		
	Unit 6 - Role of Investment Banks in Debt Markets		
	Unit 7 - Raising Finance from International Markets		
	Unit 8 - Introduction to M&A		
	Unit 9 - M&A Analysis		
	Unit 10 - Corporate Restructuring		
4.29	Commodity Markets	45	15
	Unit 1 - Commodity Futures Trading – History		
	Unit 2 - Introduction to Commodity		
	Unit 3 - Timing & Returns		
	Unit 4 - Product Specification		
	Unit 5 - Commodity Hedging		
	Unit 6 - Clearing & Settlement		
	Unit 7 - Risk Management		
	Unit 8 - Market Watch & Trading Software		
	Unit 9 - Commodity Research		
	Unit 10 - Do's And Don'ts for Dealing in Commodity Futures		
4.20	CME Finance	4.5	1 5
4.30	SME Finance Unit 1 Overview of SME Sector	45	15
	Unit 1 - Overview of SME Sector		
	Unit 2 - Institutional Support		
	Unit 3 - Regulatory Framework		
	Unit 4 - Financial Analysis		
	Unit 5 - Working Capital		
	Unit 6 - Project Appraisal		
	Unit 7 - Non Fund Based Limits		
	Unit 8 - Credit Administration and Monitoring		
	Unit 9 - Stressed Asset Management		
	Unit 10 - CGTMSE Scheme		
	Unit 11 - BCSBI Code		
4.31	Financial Technology	45	15
	Unit 1 Danking Coston 9 Tooks along		
	Unit 1 - Banking Sector & Technology:		
	Business Structure & I.T. Framework		
	Core Banking Solution & Transaction Cycles		
	Clearing, Settlements & Transaction Processing		

4.32	Project Work	2
	Technology Set-Up	
	Distribution Channel & Technology Set-up	
	Unit 4 - Insurance Sector:	
	Investment Banking & Technology Set-up	
	Unit 3 - Investment Banking & Technology:	
	Back Office Technology	
	Trading Systems & Technology	
	Secondary Markets & Technology Set-up	
	IPO & Book Building	
	Unit 2 - Financial Markets & Technology:	
	Technology Set-Up & Risk Management	

#### PASSING STANDARD AND PERFORMANCE GRADING:

MARKS	GRADE POINTS	GRADE
75 TO 100	7.5 TO 10.0	0
65 TO 74	6.5 TO 7.49	A
60 TO 64	6.0 TO 6.49	В
55 TO 59	5.5 TO 5.99	С
50 TO 54	5.0 TO 5.49	D
0 TO 49	0.0 TO 4.99	F (FAILS)

The performance grading shall be based on the aggregate performance of Internal Assessment and Semester End Examination.

The Semester Grade Point Average (SGPA) will be calculated in the following manner: SGPA =  $\sum$ CG /  $\sum$ C for a semester, where C is Credit Point and G is Grade Point for the Course/ Subject.

The Cumulative Grade Point Average (CGPA) will be calculated in the following manner:  $CGPA = \sum CG / \sum C$  for all semesters taken together.

R	PASSING	<b>STANDARD</b>	FOR ALL	COURSES:
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Passing 50% in each subject /Course combined Progressive Evaluation (PE)/Internal Evaluation and Semester-End/Final Evaluation (FE) examination taken together. i.e. (Internal plus External Examination)

R.			

- A. Carry forward of marks in case of learner who fails in the Internal Assessments and/ or Semester-end examination in one or more subjects (whichever component the learner has failed although passing is on total marks).
- B. A learner who PASSES in the Internal Examination but FAILS in the Semester-end Examination of the Course shall reappear for the Semester-End Examination of that Course. However his/her marks of internal examinations shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.
- C. A learner who PASSES in the Semester-end Examination but FAILS in the Internal Assessment of the course shall reappear for the Internal Examination of that Course. However his/her marks of Semester-End Examination shall be carried over and he/she shall be entitled for grade obtained by him/her on passing

#### R. \_\_\_\_\_ ALLOWED TO KEEP TERMS (ATKT)

- A. A learner shall be allowed to keep term for Semester II irrespective of number of heads/courses of failure in the Semester I.
- B. A learner shall be allowed to keep term for Semester III wherever applicable if he/she passes each of Semester I and Semester II.

#### OR

- C. A learner shall be allowed to keep term for Semester III wherever applicable irrespective of number of heads/courses of failure in the Semester I & Semester II.
- D. A learner shall be allowed to keep term for Semester IV wherever applicable if he/she passes each of Semester I, Semester II and Semester III.

#### OR

- E. A learner shall be allowed to keep term for Semester IV wherever applicable irrespective of number of heads/courses of failure in the Semester I, Semester II, and Semester III
- F. A learner shall be allowed to keep term for Semester V wherever applicable if he/she passes each of Semester I, Semester II, Semester III and Semester IV.

#### OR

- G. A learner shall be allowed to keep term for Semester V wherever applicable irrespective of number of heads/courses of failure in the Semester II, Semester III, and Semester IV.
- H. The result of Semester VI wherever applicable OR final semester shall be kept in abeyance until the learner passes each of Semester I, Semester II, Semester III, Semester IV, Semester V wherever applicable.

#### **OR**

I. A learner shall be allowed to keep term for Semester VI wherever applicable irrespective of number of heads/courses of failure in the Semester II, Semester III, Semester IV and Semester V.