



SYMBIOSIS COLLEGE OF ARTS & COMMERCE

An Autonomous College | Under Savitribai Phule Pune University

Reaccredited 'A+' with 3.51 CGPA For Third Cycle By NAAC | College with Potential for Excellence

Bachelor's Degree		First Year		Second Year		Third Year		Master's Degree		First Year		Second Year	
Semester (Tick the relevant semester) ✓		I	II	III	IV	V	VI	Semester (Tick the relevant semester) ✓		I	II	III	IV
Programme	Programme Code							Programme	Programme Code				
BCOM (Management Accounting)							✓	MCOM					
BA								MA Economics					
BCOM Honours								MA English					
BA Honours								MA Psychology					
Name of the Department		Accountancy and Costing											
Name of the faculty/s preparing syllabus		CMA Monica Parikh											
Name of the faculty/s reviewing syllabus		Dr. Tessy Thadathil											
Title of the Subject		Risk Management (P3) -2											
Paper Number (In case of Specialization)		11											
Subject Code:		60711C19											

Number of Credits:	4		
Date of BOS when subject was approved			
% of Syllabus Revision (Tick the relevant %) ✓	100 % ✓	50 % to 99 %	Less than 50 %
Date of Implementation of Revised/Changed Syllabus	2022-23		
Objectives of the Course:	1. To evaluate the use of internal controls to manage enterprise risks. 2. To develop processes to identify, evaluate and manage cyber risks.		
Gist of this course in maximum 3 to 4 lines	This course covers the use of internal controls to manage enterprise risks, and develop processes to identify, evaluate and manage cyber risks.		
Detailed syllabus			
Unit	Contents of the syllabus		Number of Lectures
1.	Internal Control – roles and responsibilities 1.1 Role of risk manager as distinct from internal auditor 1.2 Control systems in functional areas 1.3 Operational features of internal control		8
2.	Internal controls for risk management. 2.1 Governance and culture 2.2 Strategy and objective setting 2.3 Performance 2.4 Review and revision 2.5 Information, communication and reporting 2.6 Identifying and evaluating control weakness and compliance failures		10
3.	Issues relating to internal audit in organisations 3.1 Compliance audit, fraud investigation, value for money audit and management audit 3.2 Operation of internal audit 3.3 Assessment of audit risk 3.4 Process of analytical review 3.5 Independence, staffing and resourcing of internal audit		12

	3.6 Preparation and interpretation of internal audit reports	
4.	Cyber threat and review process 4.1 Malware 4.2 Application attacks 4.3 Hackers 4.4 Result of vulnerabilities including downtime, reputational loss, customer flight, legal and industry consequence 4.5 Protection, detection and response 4.6 Centralised management 4.7 Centralised monitoring	14
5.	Cyber security tool, techniques and reporting 5.1 System level analysis, storage analysis and network analysis 5.2 Reverse engineering, decompilation and disassembly 5.3 Network discovery, vulnerability probing, exploiting vulnerabilities 5.4 Tiers of software security 5.5 Description criteria including nature of business and operations, nature of information at risk, risk management programme objectives, cybersecurity risk governance structure	10
	Total Number of Lectures	54
<p>Relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs offered by the Institution: (Mention relevant topics below and highlight it in syllabus above in maroon color)</p> <p>Program Specific Outcomes</p> <p>PSO: Apply management and cost accounting skills for decision making in a dynamic business environment.</p> <p>PSO: Demonstrate critical thinking and problem-solving skills within the prevalent corporate governance framework</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> Analyse cyber threats, review cyber security processes, discuss cyber security tools and techniques and evaluate cyber risk reporting.. 		

Topics that focuses on Employability, Entrepreneurship and Skill Development. (Mention relevant topics below and highlight it in syllabus above in blue color)

- Employability – units 1,2,3,4,5

Topics that integrates Cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum: (Mention relevant topics below and highlight it in syllabus above in green color)
Units 1,2,3,4,5

Course Learning Outcomes:

On successful completion of the module students will be able to:

CO1: compile internal control systems, design and recommend internal controls for risk management.

CO2: assessing and managing risks and the effective planning and management of internal audit and internal audit investigations.

CO3: Analyse cyber threats, formulate cyber security processes

CO4: discuss cyber security tools and techniques, design and plan cyber risk reporting.

CO5: Develop employability, professional and technical skills.

Projects as part of continuous assessment:

Topic: case-based evaluation

Objectives: Application of knowledge and skills to real life scenarios

Learning Outcomes:

Internship for Students if any: Na

Suggested Reference Books:

1. **Risk Management** (Study Text and Exam kit) Published by Kaplan
2. **Risk Management** (Study Text and Exam kit) published by BPP

Signatures of Board of Studies Members:

Designations	Names of BOS members	Signatures
Chairman	Dr. Tessy Thadathil Head, Dept of Costing	
University Nominee	CA Shilpa Bhide	
Member, Academic Council	Dr V K Sawant	
Member, Academic Council	Dr Prasanna Kulkarni	
Industry Expert	Mr. Puratan Bharati	
Alumni Representative	Mr. Shreyas Bagmar	
Department Head	CA Umesh Kulkarni, Head Dept of Accountancy	
Department Teacher	Dr Yogini Chiplunkar	
Department Teacher	Dr Santosh Marwadikumbhar	
Department Teacher	Dr Nilesh Waghmare	
Department Teacher	Dr. Sharayu Bhakare	
Department Teacher	Mrs Sarika Wagh	
Department Teacher	CMA Monica Parikh	

Department Teacher	Mr. Shekhar Paranjape	
Department Teacher	Ms. Aishwarya K	
Department Teacher	Ms. Poorti Gangal	