UG/PG (Revised Curriculum under NEP w.e.f. June 2023)

PROGRAM	BA	BA(Hon)	B.Com	B.Com B.Com(Hon)		MA - Eng	MA- Eco	MA- Psy
Tick ✓					✓			
SEMESTER	1	2	3	4	5	6	7	8
Tick ✓	✓	,						

SPECIALIZATIONS									
ВА	Eco	Eng	Psy	Gen					
Tick ✓									
ВСОМ	Costing	Banking	Entrep	МКТ	Fin &	Mgt Acc	HRM	Bus Analytics	Gen
Tick ✓									

Name of Board of Studies	Commerce
Name of the Department	Commerce
Name of Head of Department	Dr. Hrishikesh Soman
Title of the Course	Operations and Supply Chain Management
Course Code	
Type of Course (New / Revised)	New
Nature of Course (Maj/Min/AEC/SEC/VEC/VSC)	
Number of Credits	
Name of the Faculty	Alka Arora
Date of Approval by BoS	
Date of Implementation	

Course Outcomes

- 1. Enlist components of sustainable Operations and Supply Chain Management
- 2. Identify the key metrics and process to transform to sustainable Supply Chain
- 3. Analyze the social and environmental aspects in Operations and Supply Chain
- 4. Acquire the knowledge about the business operating in circular economy.

DETAILS OF SYLLABUS					
UNIT NUMBER	DETAILS	NUMBER OF LECTURES			
1	Title of the topic: Creating Value through Sustainable	16			
	Operations and Supply Chain				
	Contents				
	1.1. Concept of sustainability, components of Operations and Supply Chain.				
	1.2. The necessity of sustainability in Operations and Supply Chain Management in Globalization era.				
	1.3. Diffusion of sustainable Operations and Supply Chain Management:				
	Where are we now and where are we going? 1.4. Key metrics for sustainability and Supply Chain drivers				
	1.5. Development of sustainable objectives from Triple bottom line perspective				
	• Environmental performance				
	Social performanceFinancial performance				
	1.6. Transformation process from Traditional to Sustainable				
	Supply Chain Management				
	1.7. How does innovativeness foster sustainable Operations and Supply Chain Management?				
	1.8. How business can leverage through sustainable Operations and Supply Chain Management and an insight to the barriers				
	for sustainable Supply Chain Management 1.9. Develop Core Competencies in sustainable Operations and				
	Supply Chain practices. Case studies:				
	Sustainability initiative in Supply Chain by Walmart and				
	P&G				
2	<u>Title of the topic : Green Operations management</u> Contents:	16			
	2.1 Green product design and procurement				
	 Designing the product based on life cycle assessment and 				
	cradle to cradle approach				
	Eco-Efficiency and Eco- Effectiveness				

	Quality Function Deployment: House of quality tool Implementing a systemable procurement strategy.	
	 Implementing a sustainable procurement strategy 2.2 Green production 	
	Lean management for sustainable production	
	 Leveraging Six sigma for a sustainable production 	
	2.3 Impact of sustainability implementation on bottom line of	
	business and how company cope with it.	
	Case studies	
	 Green Manufacturing and Sustainability at Frito-Lay Coca-Cola's redesigned Dasani bottle in sustainable 	
	product design	
	Lean Operations at Alaska Airlines	
3	Title of the topic: Transformation in Logistics and packaging	16
	towards Green	
	Contents:	
	3.1 Sustainability and logistics:	
	 Social and environmental aspects in logistics and physical distribution 	
	Mapping logistics services in Sustainable Production and	
	Consumption systems: What are the necessary dynamic capabilities?	
	 Reverse logistics and closed loop Supply Chain: 	
	Integrating the forward and backward flow	
	3.2 Physical distribution and sustainability:	
	Carbon Footprint auditing	
	Eliminating transportation waste	
	3.3 Inventory management	
	3.4 Green warehouse	
	3.5 Sustainable packaging	
	Case studies:	
	Green innovation in logistic and sustainability-DHL	
4	Sustainable initiatives in packaging by IKEA.	12
4	Title of the topic: Business Models in Circular economy and Standards For sustainability	12
	Contents	
	4.1 Transformation from traditional SCOR to GreenSCOR	
	model	
	Benefits of GreenSCOR Model	
	4.2 Business models in circular economy and the enabling role	
	of circular Supply Chain	
	4.3 Standards:ISO 9001, ISO 14001, ISO 27001, ISO 20400 2017	
	Case studies:	
	Adidas futurecraft.loop in circular product design	
	"Subaru's Clean, Green Set of Wheels with ISO 14001" illustrates	
	the growing application of the ISO 14000 standards.	
	Assignments Case study, Article review, filed visit, Group presentations	

Reference List

- 1. Sustainable Operations and Supply Chain Management by Alberto Grando, 13th edition
- 2. Sustainable Supply Chain Management by Joielle Morana
- 3. Green Supply Chain Management for best business Practice by Khan, Mehmood, Hussain

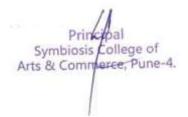
Essential Readings:

- 1. Sustainable Logistics and Supply Chain Management by David. B. Grant
- 2. The Lean Sustainable Supply Chain: How to create Green by Robert Plevich
- 3. Sustainable Operations and Supply Chain Management by Valeria Belvedre

Suggested Readings:

Handbook on the Sustainable Supply Chain by Joseph Sarkis

Note: Latest edition of text book may be used.



Name and Sign of Head

Examination Pattern

Total 100 marks

Internal - 50 marks

External-50 marks

Format of the Question Paper

Q.1 Short notes

Q.2 objectives

Q.3 short answers/case studies

Q.4 Long answers