
SYLLABUS FOR BOARD OF STUDIES ADOPTION — generated from the live catalogue record

Supply Chain and Logistics Fundamentals

X-M3 · 3 days (configurable 1–5 days) · Management · Business & Finance · Years: 2nd, 3rd, PG

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OVERVIEW

Students model a supply chain and optimise its cost, inventory and service trade-offs.

Supply-chain resilience is a boardroom priority; graduates who understand logistics and inventory trade-offs are in demand across manufacturing, e-commerce and retail.

HOURS AND CREDIT POSITION

Contact hours: 24 Guided project: 6 Self-study: 0 Notional total: 30

Credit claim: 1

30 notional hours ÷ 30 hours per credit (NSQF track, UGC Micro-credentials Guidelines §5.3.3) = 1 credits.

COURSE OUTCOMES

- CO1. Describe the drivers of a supply-chain network (K2)
- CO2. Calculate economic order quantity and safety stock (K3)
- CO3. Compare logistics modes on cost and service (K4)
- CO4. Analyse a cost-service trade-off in a supply chain (K4)
- CO5. Produce a supply-chain improvement recommendation (K5)

COURSE CONTENT — MODULES

Hours shown are the recommended format; module time scales proportionally when the engagement runs 1–5 days.

Module 1 — Supply chain foundations (4h recommended)

Theory: The network, flows, drivers
Lab: Map a supply-chain network
Output: Network map

Module 2 — Inventory management (4h recommended)

Theory: Economic order quantity, safety stock, service levels
Lab: Calculate inventory policy
Output: Inventory policy

Module 3 — Logistics and transport (4h recommended)

Theory: Modes, cost, the last mile
Lab: Compare logistics modes
Output: Mode comparison

Module 4 — Demand and planning (4h recommended)

Theory: Forecasting, sales-and-operations planning
Lab: Build a demand plan
Output: Demand plan

Module 5 — Supply chain analytics (4h recommended)

Theory: Cost-service trade-offs, metrics
Lab: Analyse a cost-service trade-off
Output: Trade-off analysis

Module 6 — Capstone (4h recommended)

Theory: A supply-chain analysis with recommendations
Lab: Analyse and improve a supply chain
Output: Improvement recommendation

ASSESSMENT SCHEME (100 MARKS)

Continuous exercises — 40 marks
Case project — 40 marks
Presentation & defence — 20 marks

CO-PO MAPPING

CO1 !' PO1 (strength 2)

Supply-chain drivers are foundational knowledge.

CO2 !' PO3 (strength 2)

Inventory calculation is applied problem-solving.

CO3 !' PO4 (strength 2)

Comparing modes is investigation.

CO4 !' PO4 (strength 2)

Trade-off analysis is investigation.

CO5 !' PO10 (strength 2)

The recommendation is professional communication.

EVERY PARTICIPANT RECEIVES

- Certificate of completion
- Course material
- LMS access
- Interview question bank
- Mock interview & viva practice
- Optional nasscom NSQF assessment (priced per candidate on your quotation)

FEE

¹1,700 per student, incl. GST

Excludes the optional nasscom assessment where offered. Final pricing on your college's quotation.

DESIGNED BY

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