

COURSE SYLLABUS

China's Supply Chain Management & Systematic Digitalization Development

 **On-campus | PM**



Donghua University



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Bin Shen

Professor

Short Biography

Bin Shen is Associate Dean and Professor at the School of Management, Donghua University. He is a Humboldt Scholar in Germany and ranks among the top 2% of scientists globally. His research focuses on the digital-intelligent transformation, green upgrading, and resilience enhancement of supply chains. His papers have appeared in many leading journals such as Production and Operations Management, Decision Science, International Journal of Production Economics, etc. He serves as Associate Editor of Transportation Research Part E: Logistics and Transportation Review and Department Editor of IEEE Transactions on Engineering Management.

Introduction/Course Description

This course provides a practice-oriented overview of supply chain management (SCM) in China with an emphasis on the architecture and implementation of digital systems. We cover China's national policy context (e.g., the 14th Five-Year digital economy, data elements market, carbon market), data governance (PIPL, Data Security Law, cross-border data flow rules), platform-led logistics and industrial internet, as well as end-to-end planning & execution systems. Students will develop the ability to design, evaluate, and improve digital supply chains aligned with China's regulatory, technological, and sustainability landscape.

Course Objectives

This course aims to:

- Understand China's SCM context and policy drivers for digitalization (digital economy, data elements, ETS).
- Apply core SCM analytics (forecasting, inventory, network design) within China-specific constraints.
- Design data architectures and system integrations.
- Assess data governance, security, and cross-border data transfer compliance for SCM applications.
- Evaluate platform ecosystems (Cainiao, JD Logistics) and industrial internet solutions for operational excellence.
- Incorporate sustainability and carbon market mechanisms into supply chain strategy and reporting.

Course Methodology

- Interactive lectures and workshops
- Case discussions
- Team-based project work and peer review

Evaluation System

The course evaluation will be performed based on the following set of activities:

- Classwork (30%)
- Individual Project (30%)
- Team Project (30%)
- Participation (10%)

Course Prerequisites

NA

