



Fundamentals of Supply Chain Theory (Hardback)

By Lawrence V. Snyder, Zuo-Jun Max Shen

John Wiley and Sons Ltd, United States, 2011. Hardback. Condition: New. Language: English . Brand New Book. An authoritative, quantitative approach to supply chain management Addressing the need for the study of supply chain management to evolve at the same pace as it s real-world practice, Fundamentals of Supply Chain Theory presents the methodology and foundations of the topic and also demonstrates how recent developments build upon classic models. The authors focus on strategic and tactical aspects of supply chain management, covering a broad range of topics from forecasting, inventory management, and facility location to process flexibility, contracting, and auctions. Key mathematical models for optimizing the design, operation, and evaluation of supply chains are presented as well as models currently emerging from the research frontier. Following a thorough introduction, the book delves into a discussion of centralized models, including: Forecasting and demand modeling Deterministic inventory models Stochastic inventory models Multi-Echelon inventory models Processes for dealing with uncertainty in inventory optimization and facility location Facility location models Process flexibility In addition, the authors present decentralized models that involve multiple parties with independent, conflicting objectives, covering topics such as: The bullwhip effect Supply chain contracts Auctions Each chapter concludes with a set of problems...



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