Supply Chain Strategy and Management

This program is in the Executive Certificate in Technology, Operations, and Value Chain Management track.

“Brilliant insight of lessons learned and evolving strategies in supply chain management.”

Timothy Byrd
Global Operations Leader
DuPont

Program Overview

This practice-oriented program investigates a new MIT framework for better managing supply chains in today’s rapidly changing markets. Participants will explore:

- How to better structure a company’s supply-chain strategy
- Guidelines for making strategic sourcing and make-buy decisions
- How to integrate e-business thinking into supply chain strategy and management
- “Clockspeed benchmarking,” a tool for deriving critical business insights and management lessons from industries with the highest obsolescence rates of products, process technologies, and organizational structures (industrial “fruit flies”)
- Why all advantages in fast clockspeed environments are temporary

Program Benefits

In the past, supply chain practice has been primarily tactical, but this program presents a new and innovative approach to supply chain design, which will enable program participants to better understand:

- The role of supply chain design in business strategy and why, if not linked, your supply chain design can undo a company’s entire business strategy
- Forces that influence supply chain structure—how supply chain structures change; how supply chain structures and industry structures overlap; and how these structures are affected by the speed of change in a given industry
- Integrating supply chain design with product and process development
- Connecting supply chain design with supply chain management and logistics
- Supply chains in the age of e-business

Special Program Features

- Participants will have an opportunity to use a computerized simulation of a multilevel supply chain to demonstrate the effect of demand variability, supply lead times, and centralized information and decision making on system performance.
- Real-world case studies will be used to illustrate and analyze important concepts such as strategic partnering and outsourcing.

MIT Sloan Executive Education

Since its founding, the MIT Sloan School of Management has been a leader in providing managers with the tools they need to drive innovation. From option pricing theory to systems dynamics, MIT Sloan’s concepts continue to enhance management education and improve its practice around the world.

Within executive education, our vision is to be the school of choice for developing leadership talent in companies strategically driven by innovation, emerging technologies, entrepreneurship, and global reach.

November 6–7, 2014
April 16–17, 2015
June 18–19, 2015
November 5–6, 2015

$3,300
(excluding accommodations)

Cambridge, Massachusetts, U.S.

Please visit our website for the most current information.

http://executive.mit.edu/sc
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Sample Program Schedule (subject to change)

Day 1

» 7:45–8:30 AM: Registration and Continental Breakfast
» 8:30–12:00 PM: Fruit Flies & Supply Chain Evolution
   Supply Chain Design & 3-DCE
» 12:00–1:00 PM: Luncheon
» 1:00–5:00 PM: Supply Chain Architecture, Strategic
   Sourcing and Value Chain Roadmapping
» 5:00–6:00 PM: Reception

Day 2

» 7:45–8:30 AM: Continental Breakfast
» 8:30–12:00 PM: Supply Chain Integration, Inventory
   Management and Procurement Strategies
» 12:00–1:00 PM: Luncheon
» 1:00–4:00 PM: Strategic Partnering in Supply Chain
   Management, Risk Management, Supply Chain Planning Systems

Who Should Attend

This program has been designed for senior managers who are responsible for the general business and strategic management of product supply and development, including:

• VPs of manufacturing, product development, and purchasing and distribution
• Senior supply chain managers and project management executives in any company which manufactures or distributes products, including component manufacturers, contract manufacturing companies, semi-conductor manufacturers, equipment manufacturers, consumer goods manufacturers, telecom companies, financial services companies, and retailers who would like to control more of the supply chain

“The program and speakers were both equally outstanding, with the combination being a quantum step above any other program I have ever experienced.”

   James deMin
   Senior Consultant
   British Telecommunications

Program Faculty

Please note that faculty are subject to change and not all faculty teach in each session of the program.

Charles H. Fine teaches operations strategy and supply chain management and directs the roadmapping activities in MIT’s Communications Futures Program. His research focuses on supply chain strategy and value chain roadmapping, with a particular emphasis on fast clockspeed manufacturing industries. Fine’s work has supported the design and improvement of supply chain relationships for companies in electronics, automotive, aerospace, communications, and consumer products. His current research examines dynamic models for assessing the leverage among the various components in complex industrial value chains and the principles for value chain design, based on strategic and logistical assessments.

David Simchi-Levi is a Professor of Engineering Systems at Massachusetts Institute of Technology. His research currently focuses on developing and implementing robust and efficient techniques for logistics and manufacturing systems. He has published widely in professional journals on both practical and theoretical aspects of logistics and supply chain management.

Contact Information

MIT Sloan Executive Education
Phone:+1-617-253-7166
Fax:+1-617-253-6773
Email: sloanexeced@mit.edu
http://executive.mit.edu

http://executive.mit.edu/sc