

Leadership

Excellence in Supply Chain Design and Operation - 2 Days

Course Code: LD601

Excellence in Supply Chain Design and Operation engages participants through computer-based supply chain simulations, game play, team exercises and case studies that reveal the critical factors one must consider when designing and operating a responsive, high performance, world class supply chain. This fast-paced, interactive course, led by Professors Jack Muckstadt and Peter Jackson of Cornell University, provides an understanding of the “Laws of Supply Chain Physics” and the basic principles of flexible, efficient supply chain design and operation.

Learning Objectives

- Describe the Laws of Supply Chain Physics
- Discover the “Power of Pooling”
- How to avoid the “Curse of Variety,” the misallocation of resources into low-demand rate activities.
- Explain the “Five Principles of Supply Chain Design and Operation”
- Collaborate and implement advanced production and inventory management strategies across distributed, multi-echelon supply chains.
- Apply the Laws of Supply Chain Physics
- Describe the effect of supply chain design on customer service
- Analyze supply chain flexibility and financial performance.
- Apply the principles learned to construct and present design concepts for a high performance, global supply chain.

Topics & Content

- Laws of Supply Chain Physics
- The miscalculation of resources
- The Five Principles of Supply Chain design and operation
- The Bullwhip Effect
- Inventory management principles
- The Power of Pooling
- The Multi-Item Kanban game
- Planning Inventories in Multi-Echelon Settings
- The No B/C Policy
- Power of Delayed Differentiation
- New Strategies for Allocating Capacities
- The future of Supply Chain Management

Course Information

Duration

2 days

Audience

This course is designed for executives, managers and practitioners in the private or public workforce that are responsible for supply chain design, planning and operations

Accreditations

PMI: 14 PDUs

NASBA: 16 CPEs

OPM: 714 CLPs

OPM Competency: Customer Service

“Very practical to what I am doing today and instructor was fun, knowledgeable and engaging.”

