EGAE Graduate Business School

Professional Programs

Supply Chain Management Bootcamp

"In God we trust; all others bring data." E. Deming

Supply chain management is about creating customer value through the efficient use of technology and systems; coordinating product development, sourcing, inventories, production, transportation, and information systems. The supply chain for a product is an extended system, where the boundaries include suppliers, manufacturing and assembly processes, even those that are outsourced, the transportation systems to move materials, the distribution/sales network, and the consumption points/ consumers. Every organization, including service types, has a supply chain, each with diverse needs and characteristics of responsiveness, agility, and efficiency. Optimizing supply chains depends on forming alliances with suppliers, using transportation resources efficiently, minimizing inventories along the chain, and scheduling flows and materials to maximize the efficiency of the complete chain. This course provides all the basic components to better understand and manage your supply chain!

What will be considered

- What is the supply chain?
- The types of supply chains.
- The role of the customers and forecasting.
- The key components of sourcing and its importance on the bottom line.
- Lean inventory management and warehousing operations.
- Global supply chains and custom processes.
- Transportation modes, routing and 3PLs.
- Information Technology, E-Logistics, Omni-Logistics.
- Reverse logistics and returns.

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Audience

This seminar is designed for personnel of all types that manage processes and people, but in particular for:

- Professionals new to the area that are engaged in supply chain management functions and interested in getting a solid foundation.
- Professionals who want new careers opportunities in supply chain and manufacturing organizations.
- Entrepreneurs and small business owners with limited exposure to supply chain fundamentals.

Objectives

After this course attendees are expected to have a reasonable working knowledge of all key functions of supply chain management in a general context. Specifically, at the end of the workshop, the attendee is expected to,

- Understand the key concepts and terminology related to SCM.
- Build foundational knowledge on the relationship between business strategy and supply chain decisions and operations.
- Identify different supply chain models and strategies.
- Draw on supply chain best practices.
- Utilize process related tools to analyze and improve logistic related processes such as inventory and transportation planning.
- Understand fundamental concepts related to forecasting and capacity planning.
- Recognize the role of suppliers and 3PL providers in developing efficient SCM systems.
- Identify opportunities for process and system changes in the context of SCM.

Course Outline

- The SCOR model.
- Key concepts of supply chain management and logistics.
- Sourcing and supplier management.
- Inventory management principles.
- Transportation and distribution systems.
- Risk and contingency planning in the supply chain context.
- Returns and reverse logisicts.
- International aspects of SCM.
- Supply chain network models.
- Supply chain KPIs and measurement models.

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Instructional Methods:

This bootcamp uses exercises and cases to support applied learning. The course uses a combination of presentations, group exercises, workshops, simulations, and discussion sessions. The group exercises, workshops and discussions aim to provide "practical" experience into the material covered in the presentations. Students will have assigned readings before each session. Excel models will be used during this seminar.

Contact hours: 24 (three days) / Cost: $600

Instructor

Dr. Ruiz-Torres is a full professor at the EGAE with degrees in Industrial Engineering from Georgia Tech, Stanford and Penn State. He has performed multiple SCM related projects in a variety of settings including agriculture, healthcare, transportation, and manufacturing, for a diverse set of organizations including NASA and Google. His applied research projects include the development of systems to select suppliers considering risks, contingency options and costs; the design of a planning model to determine the allocation of customer orders to manufacturing centers; and models to coordinate inventory and production in a pharmaceutical plant. He has been a visiting professor/researcher at universities in Latin America, Europe, and Asia.