Course: Supply Chain Management

Overview: The course focuses on providing managers with the necessary analytical and managerial skills to deal with all aspects of modern supply chain management issues. The course introduces mathematical modeling techniques and tools for modeling and finding optimal profit solution to problems ranging from contract negotiation to managing inventory to fleet management. It exposes students to advanced tools provided by modern ERP vendors for SCM.

Objectives:
- To introduce the students to strategic supply chain management
- To enable the students to model various SCM problems as optimization or decision tree problems and to enable students to use tools for solving those problems
- To provide students with all necessary skills for solving problems related to Production and Operations Management & Planning, Distribution (transportation, fleet management), Procurement & Purchasing, Location etc.

Who should attend: Middle- and upper level managers who want to develop their analytical & managerial skills to optimally manage their supply chain

Prerequisites:
- Calculus at undergraduate level, Basic knowledge of Windows.
- Middle-level management experience a plus but not required.

Duration: 2 weeks, 10-17:00, unlimited lab access for practice
7 days theory, 1 day evaluation, 2 days project preparation

Instructor: Dr. G. Yovanof
Dr. A. Kalis

Course outline:
- History of Logistics and Supply Chain Management
- Strategic Supply Chain Management
- Mathematical Modeling Techniques and Tools for SCM (STORM, GAMS, Vanguard Studio)
- Demand Forecasting Techniques & Tools
- Production Planning & Operations Management (MRP II, JIT, Agile or Lean Manufacturing, Push/Pull)
- Distribution Systems
- SCM and Marketing
- Available-To-Promise, Capable-To-Promise, Due-date Management
- SCM Performance Indices and Financial and Cost Accounting
- Inventory Control and the Bullwhip Effect
- Location Theory & Transportation

Session 1: Strategic Supply Chain Management, Marketing, Cost/Financial Accounting and How they are related
Session 2: Mathematical Modeling and Optimization Tools for Solving Practical SCM Problems
Lab 1
Session 3: Operations Management, Production Planning & Control, Inventory Control
Lab 2
Session 4: Contracts and Auctions Contracts & Auctions
Professional Education Programs

Tuition Fee
N/A
Discount Policy
Cancellation Policy

Program Registration
www.ait.edu.gr/profPrograms/reg_form/admission_form.asp

Contact
Catherine Cynthia Protonotarios
Executive Training Manager
Tel+30 2106682806, extn 5806
Fax+302106682844
excedu@ait.edu.gr