

NATIONAL UNIVERSITY OF SINGAPORE
NUS Business School
Department of Decision Sciences

DSC5211A: Supply Chain Coordination and Risk Management

Lecturer: Adjunct Assoc Professor Goh Puay Guan

Session: Semester II, 2014/2015

Course description

Supply chains have become far-flung and global. At the same time, increasing macroeconomic volatility and uncertainty create a more difficult operating environment for companies. Companies will have to look at the design of the supply chain to improve both system and process flexibility, as well as to work with external parties to improve overall coordination and to manage and share risks.

The growth of emerging markets, evolving government regulations, and regional trade agreements will further impact the structure of a company's operations.

This course aims to expose students to the design, integration, and execution of an agile and responsive supply chain. Through case studies, simulation game, and project work, students will gain a better understanding of corporate strategies, management trade-offs and supply chain alignment.

Course Outline

- 1) Key supply chain concepts and strategies
- 2) Coordination in procurement and contracts
- 3) Achieving supply chain flexibility at strategic and operational levels
- 4) Planning for supply chain risk and disruption
- 5) Supply chain coordination and risk management in Asia
- 6) Impact and opportunities of supply chain technologies
- 7) Simulation game
- 8) Impact of changing macroeconomic variables and government regulations
- 9) Group project

Time and Venue

Fri evening

Grading (TBC)

35% Two individual assignments

10% Class participation

20% Group Simulation Game

35% Group Project

Class participation and discussion is encouraged and expected

Course Textbook

Supply Chain Management: A Concise Guide, by Puay-Guan Goh, Pearson