



LOGISTICS AND TRANSPORT PLANNING AND INVESTMENT

AIM

To develop an integrated professional with an ability to blend several strategic, tactical, operational and transport planning concepts used in improving the distribution of goods and services by companies worldwide as well conducting suitable investment decisions in a turbulent business environment.

OBJECTIVES

Students will be able to:

1. Design strategies that will improve the delivery of services and goods for different companies
2. To implement logistics/supply chain strategies
3. Integrate theory and methods provided in Production Control, Facilities Planning, and Operations Research to the implementation of logistics/supply chain strategies.
4. Develop and apply various transport planning models for competitive supply chains
5. Develop various investment portfolios for their organizations

Course Outline

1. Supply Chain Logistics
2. Matching Supply and Demand
3. Integrated logistics and customer care services
4. Fundamentals of Transport Planning
5. Sustainable Transport Systems
6. Transport Pricing
7. Inventory Management Risk; Pooling Postponement
8. Sourcing and coordination in supply chains, Bullwhip effect; Vertical Integration
9. Strategic Outsourcing
10. Continuous replenishment strategies
11. Complexities of implementing large scale information systems
12. Mathematical Programming Networks and Distribution systems
13. Facilities location; Capacity Planning Event
14. Communication
15. Ethics and Investment Professionalism
16. Macro-economics and Micro-economics
17. Security markets and the investment industry
18. Market efficiency , optimal portfolio selection , the relationship between risk and return on investment

19. Market efficiency
20. Risk Management
21. Quantitative Techniques

Recommended books

Kenworthy, Jeff. 2012. Don't shoot me, I'm only the transportation planner. World Transport Policy and Practice

Meyer, Michael and Eric Miller. 2001. "Transportation Planning and Decision Making," *Urban Transportation Planning*, Second Edition. New York: McGraw-Hill

Stuart Cole, Applied Transport Economics, 2012