Summary
Supply-chain management within a firm is concerned with the flow of goods and services from firms to consumers. This course provides an overview of the economic drivers and technological possibilities for designing a successful supply-chain strategy, especially in view of information flows.

Content
Readings and cases are used to discuss the following topics:
1. Origin and Scope of Supply-Chain Management
2. Supply-Chain Coordination
3. Strategic/Tactical/Operational Decisions
4. Performance Metrics
5. Inventory Management: Basics
6. Dealing with Risk
7. Information Sharing and Enabling Information Technologies
8. Cooperation and Relational Contracts
9. Sourcing Decisions and Contracting
10. Recent & Special Issues

Keywords
Economic Models, Operations, Strategic Management

Learning Prerequisites
Important concepts to start the course
Basic calculus & economics & statistics

Learning Outcomes
By the end of the course, the student must be able to:
- Realize strategic significance of operational decisions
- Create a dynamic strategic plan
- Develop structural insights
- Solve basic quantitative models
- Construct performance metrics
- Optimize operational decisions in the presence of uncertainty and competition
- Transpose concepts to concrete application (project)

Transversal skills
• Set objectives and design an action plan to reach those objectives.
• Use a work methodology appropriate to the task.
• Communicate effectively with professionals from other disciplines.
• Assess one's own level of skill acquisition, and plan their ongoing learning goals.
• Collect data.
• Make an oral presentation.
• Write a scientific or technical report.
• Access and evaluate appropriate sources of information.

Assessment methods
Continuous assessment combining:
20% Homework
40% Team project
30% Written exam
10% Class participation

Resources
Bibliography
Reading bulkpack

Websites
• http://econspace.net/MGT-528.html