

SE2500

Supply Chain Management: Planning, Forecasting, Inventory control

Professor: Evren Sahin

Language of instruction: English – **Number of hours:** 36 – **ECTS:** 3

Prerequisites: MA1200 and MA1300 or equivalent.

Period: S8 Elective 08 February to April IN28IE1, SEP8IE1

Course Objectives

- ◇ Understand what is supply chain management
- ◇ Analyze the challenges of planning and managing flows in supply chains and the relationship with other types of decisions in supply chain management
- ◇ Introduce the relevant methods and approaches based on qualitative and quantitative models
- ◇ Acquire the basic vocabulary as well as an internationally know-how referential in the Supply Chain Management field

On completion of the course, students should be able to

- ◇ understand the challenges of managing efficiently the production and distribution processes (for goods and services)
- ◇ use preliminary approaches, methods and tools to managesupply chains

Course Contents

- ◇ Introduction to supply chain management and flow control: make to order/ make to stock, inventory control, links between flow management and lean approach
- ◇ Production planning and capacity management
- ◇ Forecasting
- ◇ MRP II, MRP, DRP
- ◇ Physical distribution

Teaching Material and Textbooks

Slides

Evaluation

- final exam
- group project