

# MANAGEMENT ENGINEERING (LM54)

(Lecce - Università degli Studi)

## Teaching SUPPLY CHAIN MANAGEMENT

GenCod A004629

**Owner professor** MARIA GRAZIA GNONI

**Teaching in italian** SUPPLY CHAIN MANAGEMENT

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**SSD code** ING-IND/17

**Reference course** MANAGEMENT ENGINEERING

**Course type** Laurea Magistrale

**Credits** 9.0

**Teaching hours** Front activity hours: 81.0

**For enrolled in** 2022/2023

**Taught in** 2023/2024

**Course year** 2

**Language** ENGLISH

**Curriculum** Percorso comune

**Location** Lecce

**Semester** First Semester

**Exam type** Oral

**Assessment** Final grade

**Course timetable**  
<https://easyroom.unisalento.it/Orario>

### BRIEF COURSE DESCRIPTION

- Introduction about production systems: push, pull and lean systems.
- Internal Logistics and material handling systems: replenishment models design, warehouse systems design, handling systems design.
- External logistics systems: supply chain structures (mono-channel, multi-channel, etc.), distribution models (cross-docking, inventory pooling, etc.), supply chain design (agile versus lean), reverse logistics.
- Business game development and case study analysis.

### REQUIREMENTS

No mandatory requirement

### COURSE AIMS

The course aims to provide knowledge about design and management of sustainable internal and external logistics systems

### TEACHING METHODOLOGY

Classroom lessons, seminars

### ASSESSMENT TYPE

Final oral exam and/or intermediate voluntary exam

### FULL SYLLABUS

- Introduction about production systems: push, pull and lean systems.
- Internal Logistics and material handling systems: replenishment models design, warehouse systems design, handling systems design.
- Business game development (The Beer Game) and case study analysis.
- Industrial visits and seminars.

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## REFERENCE TEXT BOOKS

Logistica integrata e flessibile. Per i sistemi produttivi dell'industria e del terziario. Con applicazioni numeriche e progettuali. A. Pareschi, edizioni Esculapio