

Program (Taught modules)

Semester 1

Teaching Unit
EU Fundamentals
UEF1
Queue Management
Advanced Random Process
UEF2
Inventory Management
Nonlinear Optimization with Constraints
UE Methodology
UEM1
Introduction to the Dynamic System
Advanced Simulation
UE Discovery
UED1
Artificial Intelligence: Principles and Applications
UE Transversal
UET1
Information and Communication Technology (ICT)

Semester 2

Teaching Unit
Fundamental UE
UEF 3
Optimal control and application in financial economics
Multi-objective optimization
UEF 4
Combinatorial optimization
Decision in uncertainty
UE methodology
UEM 2
Introduction to combinatorics
Dynamic system for the economy
Transversal UE
UET 2
Corporate finance

Semester 3

Teaching Unit
Fundamental UE
UEF 5
Production Planning
Stochastic Control
UEF 6
Reliability and Maintenance
Introduction to Linear Regression Analysis
UE Methodology
UEM 3
Mathematical Modeling
Entrepreneurship
Transversal UE
UET 3
Scientific Writing
Scientific English

Semester 4 : Final year projects