

MIMOS – Masters in Industrial Management, Operations and Sustainability

Supply Chain Management and Logistics 2026/2027

Course Presentation

Prof. Dr. Ricardo Simões Santos (E11)
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SCML S15 (Ter. 18:30-20:30 - F1 008)

SCML S45 (Ter. 21:00-23:00 - F1 008)



Lisbon School
of Economics
& Management



- Presentation
- Introduction
 - What is Operations Management?
 - New challenges in Operations Management
 - Productivity Challenge

Course Lecturer and Coordinator

Prof. Dr. Ricardo Simões Santos

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Based on slides provided by Professor Jose Miguel Soares (ISEG) & the recommended books of this course

Course Lecturer E12

Prof. Dr. Ricardo Simões Santos

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Office hours*: Tuesday 11:00 (11 a.m.)

*** The attendance will be done by appointment only (please send an email previously)**

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Course Objectives:

- The aim of the UC is to present the concepts of Logistics and Supply Chain, discuss its importance, and to develop methods, techniques and tools to evaluate and control the logistic and the inventory, while considering all the variables in order to improve social and environmental sustainability.
- To provide students with the knowledge to critically analyses stock and supply chain management tools and models in order to apply them correctly in practice, geared towards the circular and sustainable economy.
- To introduce, study and debate the importance of ‘Green Logistics’ and the ‘Sustainable Supply Chain’, based on three interdependent and complementary pillars: Environmental Responsibility, Economic Viability and Social Responsibility.
- The course is specifically designed to help students solve the challenges currently encountered in national and international markets, by providing the right concepts and decision-making tools to take advantage of strategic opportunities and to find possibilities for reducing operating costs, while also considering all issues related to environmental and social sustainability.

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Topics

1. Logistics and Supply Chain Management – Introduction
2. Logistics and Supply Chain Management – Strategy, Planning and 'Green Logistics'
3. Inventory Strategy – Inventory Policy Decisions
4. Transport Strategy – Transport Decisions
5. Logistics and Supply Chain Management – Product
6. Logistics and Supply Chain Management – Supply Chain Sustainability

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Course assessment

- Theoretical-practical classes with participatory debates on the subject and resolution of practical exercises;
- Groups of students solving case studies during class related to the subject taught;
- Carrying out a group project on a company's supply chain and how it adopts sustainability and green logistics policies in its operations.
- Assessment of the CU is made up of two components: a final exam with a weight of 75% and continuous assessment (25%), which will be the recommended assessment method for the majority of enrolled students. Continuous assessment consists of students' attendance and participation in classes and discussions, the resolution of practical exercises, and group project work.
- For students who do not take this assessment, the final written exam will account for 100% of the final grade.

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Principal

- Operations Management – Sustainability and Supply Chain Management (13th ed.). New York: Pearson Education. Heizer, J., Render, B., & Munson, C. 2020
- Business Logistics/Supply Chain Management and Logware CD Package (5th ed.). Upper Saddle River: Pearson Prentice Hall Inc. Ballou, R. H. 2004
- The Handbook of Logistics and Distribution Management – Understanding the Supply Chain (5th ed.). London: KoganPage. Rushton, A., Croucher, P., & Baker, P. 2014
- Logistics and Supply Chain Management (6th ed.). London: FT Publishing International. Christopher, M 2023
- Gestão da Produção e Operações – Teoria e casos práticos resolvidos. Forte da Casa: Escolar Editora. Lopes, J. D., Pimentel, B. M., Pinto, J. G., Soares, J. M., & Nunes, S. 2020

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&
Introduction to Logistics

Thanks for your assistance!

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