# International logistics and supply chain management

## Prof. Luca Lanini

***COURSE AIMS AND INTENDED LEARNING OUTCOMES***

The course aims to illustrate the characteristics and opportunities of integrated management of the supply chain management in the economic system with a view to an internationalisation of the markets, taking as a reference the paradigm of sustainability and the minimisation of environmental impacts. The analysis is focused on the production, commercial and distribution management of goods and allows us to highlight the development of logistics outsourcing and the strategic role assumed by third-party logistics operators. The methodological approach followed is that of “supply chain management” and distribution channels (commercial and logistic), where the company is positioned within a system of upstream and downstream relationships, of a productive, commercial, and distributive nature. The course will therefore study the customer/supplier relationships, the commercial and logistic network (distribution channels), the strategies of the actors, the optimisation and management techniques of both physical (goods) and information (ICT) flows. According to a “case study” approach, the course will present some business cases and organisational excellence models (including at least one study visit to the company).

At the end of the course, students will be able to:

* Read the reorganisation processes in economic systems in light of the upstream and downstream relationships between customers and suppliers;
* Carry out a synergistic analysis of the relationships between the different links in the production, marketing and distribution of goods;
* Interface in the best possible way with courses in business economics, marketing, international economics;
* Evaluate the impacts of the *supply chain* management on the environment and identify green logistics solutions.

***COURSE CONTENT***

1. Fundamentals of logistics, Supply Chain Management and “green logistics”: concepts, definitions, evolution and analysis methodology on SCM and logistics, management of physical and information flows (ICT), internationalisation and localisation processes, in relation to competitive scenarios;
2. Marketing channels: nature and channel relationships, forms of distribution, marketing management, nature and evolution of customer/supplier contractual relationships (vertical relationships);
3. Logistics channels: the physical structure of the supply network, logistics platforms and warehouses, inventory management, analysis of the logistics management of industrial and commercial companies (with a focus on modern large distribution);
4. Green logistics: environmental impact of the different modes of transport; sustainable transport and mobility (new fuels, electricity); green impact on packaging; urban freight logistics and e-commerce; reverse logistics and logistics of returned products; recovery, reuse, waste management, recycling chains, WEEE;
5. Internationalisation of markets: globalisation of markets, logistics and international transport, infrastructure and geopolitics;
6. Case studies: presentation of some cases of excellence in the effective and sustainable management of the *supply chain* and logistics, through a focus on important Italian companies in the production, commercial and logistics fields.

***READING LIST[[1]](#footnote-1)***

Course packs and review of articles by the lecturer, which will be made available on Blackboard.

Textbooks used:

* F. Dallari, Corso di logistica e trasporti, Hoepli, 2015.
* S. Cavalieri-R.Pinto, Orientare al Successo la Supply Chain, 2nd ed, Isedi, 2015.[*Buy from VP*](https://librerie.unicatt.it/scheda-libro/cavalieri-sergio-pinto-roberto/orientare-al-successo-la-supply-chain-9788880083795-257455.html)
* ECR – GS1 Italy, Logistica sostenibile: soluzioni e casi virtuosi dal largo consumo, settembre 2018 (downloadable from the site [www.gs1it.org](http://www.gs1it.org)
* Parag Khanna, Connectography: Mapping the Global Network Revolution, 2017

***TEACHING METHOD***

The course includes the participation of managers for a total of four-hour teaching.

Some business cases will be presented during the course.

***ASSESSMENT METHOD AND CRITERIA***

Final written test lasting 90 minutes with 15 open-ended questions worth 2 points each for a total of 30 points.

***NOTES AND PREREQUISITES***

The study and in-depth analysis of the topics covered in the course will address only some parts of the textbooks listed above, which will be specified during lectures.

Prerequisites for the students is basic knowledge in business economics and marketing.

For any additional information, students are invited to consult the teaching staff page on the University website.

Information on office hours available on the teacher's personal page at <http://docenti.unicatt.it/>.

1. The textbooks included in the reading list can be purchased at the University bookstores; they can also be bought from other retailers. [↑](#footnote-ref-1)