**. - Food Supply Chain Management**

Prof. Paolo Bisogni

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

* **To provide students with an understanding of the principles and practice of selected topics in Logistics and Supply Chain Management.**
* **To provide students with a basic but solid understanding of the principles and practice of Supply Chain strategy development and management.**
* **To provide students with knowledge of the main building blocks of SCM: Supply Chain Design and Inventory planning, Warehousing, Transport and cost control.**

***COURSE CONTENT***

* Introduction to modern Supply Chain concepts. The economic justification of Logistics and Supply Chain Management.
* Managing uncertainty in international supply chains
* Collaboration in the Supply Chain. Manufacturer / Retailer collaboration. Outsourcing options and strategies.
* Fundamentals of aggregate planning.
* Inventory planning systems
* Managing Demand. Demand Planning. Definitions, building blocks, mathematical forecasting tools.
* Managing Supply. Fundamentals of purchasing strategies, global and local purchasing, Vendor management.
* Lean thinking in manufacturing and distribution. Relationships between Inventories, Forecasts and Lead Times.
* Warehouse and transportation management basics.
* Controlling logistics costs

***READING LIST***

***The following is a short list of classic books and articles on different topics of SCM that are presented in the course***

E.H. Frazelle, *World-Class Warehousing and Material Handling*, McGraw-Hill, 2001.

E.M. Goldratt, *Theory of Constraints*, North River Press, 1990.

M. Christopher, Logistics And Supply Chain Management, Prentice Hall

S. Cohen-J. Roussel, *Strategic Supply Chain Management*, McGraw Hill, 2005.

D.S. Levi-P. Kaminsky-E.S. Levi, *Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies*, McGraw-Hill, 2009.

TOM DAVIS, *Effective Supply Chain Management,* Sloan Management Review, Summer 1993

***TEACHING METHOD***

The course is offers a blend of frontal lessons and team activities like business games and case discussion

***ASSESSMENT METHOD AND CRITERIA***

Written exam composed of a set of Multiple Choice Questions (up to 22 points) and two open questions (up to 6 points) + in-class participation (up to 3 points)

***NOTES AND PREREQUISITES***

No particular prerequisite is necessary to attend this course.

In case the current Covid-19 health emergency does not allow frontal teaching, remote teaching will be carried out through synchronous or asynchronous procedures that will be promptly notified to students.

***OFFICE HOURS FOR STUDENTS***

Office and consultations hours will be organized by MS Teams, by appointment, writing to paologaetano.bisogni@unicatt.it