



TALENT HUB FOR SUPPLY CHAIN
Zaragoza Logistics Center

April 2017

25 | 26 | 27

MANUFACTURING LOGISTICS COURSE

Description

Manufacturing Logistics deals with the design, planning, and control of material flows and related information flows in manufacturing companies and their supply chain. It includes strategic, operations tasks with scope ranging from a single piece of equipment to global supply chain. The essential business context of manufacturing logistics is a dimension that is ever evolving over time. Technological innovations, business alliances, and global competitive positioning can all have significant influence on the essential context of manufacturing logistics. For manufacturing logistics research, the supply chain perspective brings into focus significant and relevant issues related to products, information, and transportation/distribution. The importance of uncertainty grows with the need for modeling complex systems with increased product proliferation, shorter product life cycle, and reduction in inventory.

This course provides students with an overview of Manufacturing Logistics within the Supply Chain context. It discusses how external information and internal flows of information and material may be coordinated to improve operational performance. The class focuses on describing several production methods, manufacturing strategy, and logistics issues pertinent to supply chains management in a globalized environment. The sessions combine lectures, in-class exercises, cases studies.

Reading Materials

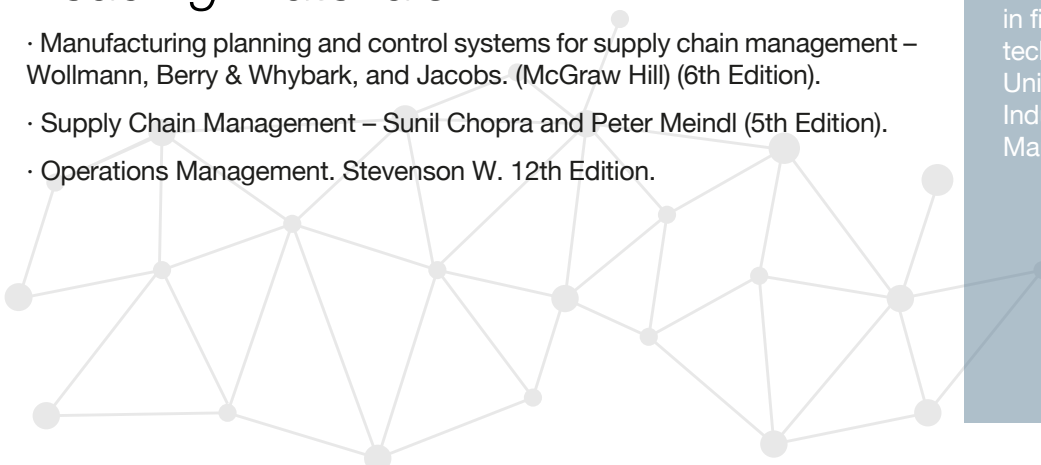
- Manufacturing planning and control systems for supply chain management – Wollmann, Berry & Whybark, and Jacobs. (McGraw Hill) (6th Edition).
- Supply Chain Management – Sunil Chopra and Peter Meindl (5th Edition).
- Operations Management. Stevenson W. 12th Edition.

Bio

Dr. Rafael Diaz

Rafael Diaz is PhD Program Director and a **Professor of Supply Chain Management at the MIT-Zaragoza International Logistics Program**. He is also a Research Affiliate at the MIT Center for Transportation and Logistics. Previously, he has been a Research Associate Professor of Modeling and Simulation at Old Dominion University's Virginia Modeling, Analysis, and Simulation Center (VMASC).

He has a PhD degree in the field of Modeling and Simulation focused on Operations and Supply Chains Management and an M.B.A degree in financial analysis and information technology from Old Dominion University. He holds a B.S. in Industrial Engineering from Jose Maria Vargas University, Venezuela.



Schedule

Sessions 1 & 2

Linkage between Capacity and Manufacturing Logistics

Sessions 3 & 4

Manufacturing logistics as a competitive weapon

Session 5

Manufacturing Strategy

April 2017						
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	30	
Mon	Tue	Wed	Thu	Fri	Sat	Sun



**5 sessions
of 1.5 h.**

General Information

HOW TO APPLY

Submit a current resume and a statement of interest.

REGISTRATION FEE: 650€

This fee includes tuition and materials. Accommodation must be arranged by the participants individually and is not included in the course fee.

The program is taught entirely in English.

Deadline for applications:

March 30, 2017

SCM World

ZLC has been ranked by SCM World's Top 100 University Ranking 2016 as

**#1 in Spain
#4 in Europe**

About MIT Zaragoza Master of Engineering in Logistics and Supply Chain Management (ZLOG)

The MIT Zaragoza Master of Engineering in Logistics and Supply Chain Management (ZLOG) offers the unique combination of a worldclass supply chain degree taught in a truly global setting. Created in 2004 in collaboration with the leading university in the field, the Massachusetts Institute of Technology (MIT), this program prepares students to make an impact on a wide range of industries worldwide. This course is being offered as part of the ZLOG program.

ZLC (Zaragoza Logistics Center)

ZLC is an international center of excellence for research and education in logistics and supply chain established by the Government of Aragon in Spain in partnership with the Massachusetts Institute of Technology and the University of Zaragoza.

MIT Global SCALE Network

The MIT Global SCALE (Supply Chain and Logistics Excellence) Network is an international alliance of leading research centers dedicated to the development of supply chain and logistic excellence through innovation.

ZLC



MIT GLOBAL
SCALE NETWORK

CONTACT INFORMATION

Admissions Office

Edificio Náyade 5
C/Bari 55 – PLAZA
50197 Zaragoza, SPAIN
Phone: +34 976 070 148
mromero@zlc.edu.es