

Humanitarian Supply Chains



About Zaragoza Logistics Center (ZLC)

Zaragoza Logistics Center (ZLC) is a research institute established by the Government of Aragon in Spain in partnership with the Massachusetts Institute of Technology (MIT) and the University of Zaragoza (UZ). ZLC mission is to create an international center of excellence for research and education in logistics and SCM that actively engages with industry and the public sector to develop and disseminate knowledge.

A core purpose of ZLC is to integrate supply chain management into business. The research program is aligned to ZLC's mission of focusing on enhancing economic growth and competitiveness through innovation. ZLC serves as an exclusive model for closer cooperation between industry, public administration and academia in funding research and using the knowledge transfer accumulated to reap commercial rewards efficiently.



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.

Course Description

Supply chains play a key role in responding to humanitarian crises stemming from armed conflicts, epidemics, famine, and natural disasters. Supply chains also provide the products necessary to conduct effective public health programs ranging from treatment of devastating diseases (e.g. HIV/AIDS, malaria, tuberculosis) to primary care services. This course provides students with an overview of humanitarian and health operations

by introducing the challenging context in which they take place, the organizations typically involved (e.g. donors, UN agencies, NGOs, public and private sector), the products and services needed, and the operational approaches and challenges in meeting the needs. The sessions combine lectures and cases studies with two guest speakers.



SCHEDULE

MONDAY MARCH 2

SESSION 1 – Introduction

This session introduces humanitarian and global health supply chains and compares supply chains for medicines with those for consumer products.

SESSION 2 – Case Discussion – Can Heroes Be Efficient? Information Technology at the International Federation of the Red Cross

This case deals with use of information and IT strategy at the IFRC, a humanitarian organization that focuses on emergency response for large international emergencies.

WEDNESDAY MARCH 4

SESSION 3 – Redesigning the Plumpy Nut Supply Chain: Applying Commercial World Supply Chain Practices to Plumpy Nut... Or Not?

We will discuss how to approach redesigning and improving the PlumpyNut supply chain.

SESSION 4 – Supply Chains for the Plumpy'Field Network

In this session we will discuss supply chain issues that arise when manufacturing is local, using the Nutriset Plumpy'Field network as an example.

FRIDAY MARCH 6

SESSION 5 – People and Process: Improving Supply to Dadaab Refugee Camp

This session is about supply to refugee camps. It examines supply to a specific camp for Somali refugees located in Kenya, as well as global supply to the many camps that UNHCR runs worldwide.

SESSION 6 – Guest Speaker

MONDAY MARCH 9

SESSION 7 – Making Logistics Robust and Dynamic

This class focuses on forecasting demand, preparedness and appropriate response for cholera epidemics. The setting is a cholera outbreak in Angola.

SESSION 8 – Designing Supply Chains for Distribution of Medicines

Last Mile Logistics for Essential Drugs: The Case of Zambia.

WEDNESDAY MARCH 11

SESSION 9 – Central Stock Policy to Support Programs and Emergencies

This lecture will describe MSF Supply, an in-house centralized distribution center that procures and delivers a wide range of medical and logistic items in support of both regular missions and emergencies. MSF Supply is located outside Brussels.

SESSION 10 – Guest Speaker Stefaan Phlips, Site Director, MSF Supply (Brussels)

Stefaan will present and discuss MSF Supply's evolving "business" and supply chain, focusing on the current "end-to-end" supply chain initiative and on piloting/introduction of a new process for planning, budgeting and ordering of supplies by OCB's field operations.

FRIDAY MARCH 13

SESSION 11 – Coordination

This session will focus on improving coordination.

SESSION 12 – Translating an Idea into a Policy

Teaching case: "Saving Lives and Buying Time" for Antimalarial Medicines (PART A).

MARCH 2015

M	T	W	Th	F	Sa	Su
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2	3	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

12 Sessions, 1,5 h. each one.



Dr. Laura Rock Kopczak

Laura Rock Kopczak is an Adjunct Professor of Supply Chain Management at Zaragoza Logistics Center, a field in which she has over twenty-five years of teaching, consulting and industry experience. Her current focus is on humanitarian and global health supply chains. Laura works half the time with the MIT-Zaragoza Program and half the time directly with organizations such as MSF, IFRC, Save the Children, UNHCR, UNICEF, UN WASH cluster, GAVI, PSI, JSI, the Rockefeller Foundation, Bill and Melinda Gates Foundation and Fritz Institute.

Laura obtained her MBA from Columbia Business School, her MS in Operations Research from Columbia University School of Engineering and her PhD in Industrial Engineering and Engineering Management from Stanford University. Her strength is her ability to combine clear thinking, a quantitative approach and strong writing skills to analyze supply chain issues and convey insights to motivate action.

Her thesis advisor was Professor Hau L. Lee, a leading supply chain expert who worked closely with Hewlett-Packard developing models to quantify supply chain risks and costs for innovative products. Until recently, Laura worked as a professor at Stanford University and as one of three co-directors of the Stanford Global Supply Chain Management Forum.

Dr. Kopczak has lived overseas in Japan, France and Spain and has taught courses on Supply Chain Management in Switzerland, the Netherlands, Hong Kong and Spain. Previous to pursuing an academic career, she worked for ten years at Hewlett-Packard Company in a variety of individual and management positions.

General Information

APPLICATION DEADLINE

WHO SHOULD APPLY

MBA or PhD Students or professionals with a high level of interest in the field of Humanitarian Logistics.

HOW TO APPLY

Submit a current resume and a statement of interest.

DEADLINE

January 15, 2015.

Venue

Zaragoza Logistics Center
Edificio Náyade 5
C/ Bari 55 (PLAZA)
50197 Zaragoza, Spain

Registration Fee

2160 €

Special rates for participants attending 2 courses (25%) and more than 2 (40%).

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.

More Information

For any further questions, please contact the Admissions Office:

Marta Romero

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Other spring seminars in the spring will include:

System Dynamics

Advanced Optimization Techniques

Revenue Management