

## MASTER OF SCIENCE IN SUPPLY CHAIN MANAGEMENT

### Module LI5201: SPECIAL TOPICS IN LOGISTICS

## HUMANITARIAN LOGISTICS

The session will kick start with an emergency setting, using a situational report to discuss the processes and approaches in managing such situations. The instructors will draw reference and help the participants to relate to traditional Supply Chain Management and highlight the differences and challenges in humanitarian logistics. Topics on transport, warehousing, inventory and sourcing in the context of a humanitarian operation will also be covered.

**17<sup>th</sup> March 2012 (Saturday), 09:00 – 15:30hr**

Time	Topics
08:45	<i>Registration</i>
09:00	Welcome and Introduction
09:15	Recap on Supply Chain Management
09:45	Introduction to Humanitarian Supply Chain Management (1)
10:30	<i>Break</i>
10:50	Introduction to Humanitarian Supply Chain Management (2)
12:00	<i>Lunch</i>
13:00	Case Study
14:15	<i>Break</i>
14:30	Group Work
15:30	<i>End</i>

**19<sup>th</sup> March 2012 (Monday), 18:00 – 21:00hr**

Time	Topics
17:45	<i>Registration</i>
18:00	Introduction to Humanitarian Operations <ul style="list-style-type: none"> <li>- In-country Logistics, Warehousing, Inventory and Network Design</li> <li>- Sourcing, Transport and Budgeting</li> </ul>
21:00	<i>End</i>

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#### INSTRUCTORS:



Prof. Gonçalves is Associate Professor of Management and Academic Director of the Advanced Studies Master in Humanitarian Logistics and Management at the University of Lugano (USI), Switzerland. He is also a research affiliate at the Massachusetts Institute of Technology (MIT) Center for Transportation and Logistics (CTL). Previously, he has held appointments at the MIT Sloan School of Management and the University of Miami Graduate School of Business. He obtained his Ph.D. in Management Science and System Dynamics from MIT Sloan School of Management and his M.Sc. degree in Technology and Policy from MIT. While at Sloan, Paulo worked with Intel's Strategic Capacity group as an Intel scholar. For his work, he has received the Intel Foundation Graduate Research Fellowship Award (2003-2004) For his dissertation, he has won the 2004 Doctoral dissertation award given annually by the Council of Supply Chain Management Professionals (CSCMP).

His work focuses on understanding behavioral aspects of common operational decisions. Current research interests focuses on behavioral operations management in humanitarian contexts, including the development of supply chain experiments for understanding and improving managerial decision making. His work combines a number of techniques such as simulation, optimization, econometrics and non-linear dynamics. He has taught a range of courses such as operations management, project management, decision models and system dynamics, at undergraduate, graduate (MBA and PhD) level. He has also taught executive programs in operations management and system dynamics. He has published in the areas of supply chain management, behavioral operations, nonlinear dynamics, and humanitarian logistics. His publications have appeared in *Production and Operations Management*, *Journal of Business Logistics*, *System Dynamics Review*, *IEEE Engineering Management Review*, *Sloan Management Review* and *California Management Review*.

Some of his recent works include:

- Gonçalves, P. (2011). "Balancing Provision of Relief and Recovery with Capacity Building in Humanitarian Operations." *Operations Management Research*.4 39-50.
- Hines, J., T. Malone, P. Gonçalves, G. Herman, J. Quimby, M. Murphy-Hoye, J. Rice, J. Patten, and H. Ishii. (2011). "Construction by Replacement: A New Approach to Simulation Modeling." *System Dynamics Review*. 27(1) 64-90.
- Bendolly, E., R. Croson, P. Gonçalves, and K. Schultz. (2010). "Bodies of Knowledge for Behavioral Operations Management." *Production and Operations Management*.19(4) 434-452.
- Gonçalves, P. and B. Chawaguta (2010) Optimizing WFP's Food Aid Distribution. University of Lugano Working Paper.
- Gonçalves, P. (2009) Humanitarian Logistics. *POMS Chronicle* 16 (2).
- Gonçalves, P. (2009) Heuristics, biases and wrong lessons learned in humanitarian operations. *International Aid & Trade Review*, 15.

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Mr. Jonas Stumpf is Project Manager at Kühne Foundation's "Humanitarian and Emergency Logistics Program" (H.E.L.P.) where he works closely with actors from the humanitarian sector to enhance their logistics capacity. His main focus is on providing logistics and supply chain management courses to humanitarian organizations. The latest trainings have been conducted for IOM Iraq and Medair International.

He has obtained his Master in Logistics and International Management from the University of Mannheim and wrote his Master thesis on "Emergency Logistics – Fields of Improvements". Before he joined the Kühne Foundation he worked for two years at the Logistics Development Unit of the United Nations World Food Programme (WFP). During that time he was member of the Supply Chain Optimization and Training team conducting field studies and providing training courses at various WFP country offices in Italy, Ethiopia, Djibouti, Kenya, Uganda and Democratic Republic of Congo.