
IND 2618 LOGISTICS AND HUMANITARIAN OPERATIONS

TOTAL HOURS: 45 HORAS

CREDITS: 3 /CRITERIA 12

REQUIREMENT(S): ---

GOALS

Present key issues in strategic decision making for logistics and humanitarian operations including disaster preparedness, response, and recovery phases. Introduce students to the principles of Logistics and Operations Management in the context of effective delivery of aid in areas devastated by disasters. Improve students' understanding of methodological, qualitative, quantitative and analytical tools that are essential for understanding the complexity of logistics and managerial challenges at the strategic, tactical and operational levels in humanitarian relief operations. Discuss the effects of long-term humanitarian logistics management decisions and, in this way, explore strategies for the humanitarian supply chain.

SYLLABUS

Emergencies and Disasters. Natural Disasters and Climate Change. Disaster risk reduction. Disaster management and complex emergencies. Humanitarian context and principles of humanitarian interventions. Fundamentals of Logistics, Supply Chain, and Operations Management. Humanitarian Logistics and the Humanitarian Aid Chain. Operations Management in disasters, crises, and emergencies. Complex Chain Modeling, the resilience of supply chains. Emergency preparedness and strategic planning. Tactical and operational decisions in humanitarian response. Challenges of humanitarian aid organizations management. Competition and collaboration in humanitarian aid. Measuring performance in the humanitarian chain. Crisis information management. Innovation in humanitarian aid.

BIBLIOGRAPHY

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- TOMASINI, R. M.; VAN WASSENHOVE, L. N. Humanitarian Logistics. Palgrave Macmillan, London, 2009.
- KOVÁCS, G; SPENS, K.M. (editors). Relief supply chain management for disasters: humanitarian aid and emergency logistics. IGI Global. Hershey PA, 2012.

**COMPLEMENTARY
REFERENCES**

- LEIRAS, A.; YOSHIZAKI, H. T. Y, GONÇALVES, M.B., SAMED, M.A. Logística Humanitária. Rio de Janeiro: Elsevier. 2017.
- GÜNTHER, W.M.R.; CICCOTTI, L.; RODRIGUES, A.C. (editors). Desastres: múltiplas abordagens e desafios. Rio de Janeiro: Elsevier, 2017.
- HELLINGRATH, B., LINK, D., WIDERA, A. Managing Humanitarian Supply Chains. BVL International, Germany, 2013.
- Klumpp M., de Leeuw S., Regattieri A., de Souza R. (eds) Humanitarian Logistics and Sustainability. Lecture Notes in Logistics. Springer, Cham, 2015.
- Tipper, J. S. Decision Making in Disaster Response: strategies for frontline humanitarian responders. Auckland : Relief Advisory International, 2017.