Logistics and Supply Chain Management (LGMT)

Courses

LGMT 236 Principles of Purchasing  3 Credits (3,0)
This course is an introductory course on the procurement function. The course will address the impact of purchasing and supply chain management on the competitive success and profitability of modern organizations. The students will understand the strategic nature of purchasing, not just buying goods and services. The students will also learn about the ethical, contractual, risk management, sustainability, and legal issues that purchasing and supply chain professionals come across. The course will also address the relationship between purchasing and inventory management, materials management, just-in-time manufacturing, and manufacturing resource planning. Global sourcing and the role of supply chain partnerships are also addressed, along with how to evaluate, bargain, and negotiate with suppliers.

LGMT 375 Humanitarian Logistics  3 Credits (3,0)
Humanitarian logistics and disaster response is becoming an important global issue. The fundamental goal of logistics is to deliver the right product to the right place at the right time. When faced with a natural disaster, much of the critical infrastructure is decimated and alternate transportation and communication channels need to be quickly recovered or developed. The victims of the disaster need critical supplies immediately and the private sector in the impacted area needs to rapidly recover and resume normal business practices. This course takes a case-study approach and introduces the student to all phases of a humanitarian logistics from disaster preparation to complete recovery. Topics to be covered include: disaster analysis, disaster management cycle, risk assessment, critical need supply chain techniques, disaster transportation, warehousing and material management, distribution mechanisms, best practices and resources.

LGMT 450 Hazard Mitigation in Emergency Management  3 Credits (3,0)
Whether a disaster is natural or man-made, both government and private sectors must recognize and manage the risks associated with each disaster type and implement effective hazard mitigation programs. This course takes a case-study approach and introduces the student to all phases of a disaster including pre-event mitigation and preparedness and after-event response and recovery. Topics to be covered include: mitigation framework, rules and regulations, roles of government and private sectors, risk assessment, hazard identification, vulnerability assessment and impact analysis, mitigation strategies, tools, best practices and resources.

LGMT 484 Material Management in Contingency Operations  3 Credits (3,0)
Contingency operations in support of domestic or international crisis require rapid response from logisticians and logistic support elements in facilitating the necessary equipment and supplies needed for relief efforts. This course takes an exploratory approach to introduce the student to the logistician's role in supporting contingency operations with a focus on agile, responsive material management initiatives. Topics to be covered are: contingency planning, forecast, preparation, and deployment strategies, operation phases, roles of governments and private sectors, supply chain strategic partnerships, global capabilities, leveraging purchasing flexibilities, and legal and ethical implications.