

# LGM COURSE STUDENT LEARNING OUTCOMES

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## LGM 201 - Essentials of Logistics Management

CSLOs are under review.

## LGM 202 - International Logistics Management

CSLOs are under review.

## LGM 208 - Logistics and Quality Management Tools I

CSLOs are under review.

## LGM 209 - Logistics and Quality Management Tools II

CSLOs are under review.

## LGM 210 - Studies in Procurement and Logistics

CSLOs are under review.

## LGM 212 - Transportation Management

CSLOs are under review.

## LGM 320 - Logistics Security

Students will be able to assess and evaluate the challenges of providing logistics security in the supply chain.

Students will be able to assess and evaluate the impact of government oversight on logistics security.

Students will be able to evaluate the differences of security threats for passenger versus cargo and appraise and evaluate current topics on threats, counter terrorism, and new technology.

Students will be able to research a logistics security topic, then develop interview questions, and interview a security professional.

## LGM 330 - Warehousing

Students will be able to apply mathematical models such as the Center of Gravity and Load-Distance calculations to make recommendations for site selection, facility design, and facility size with applied business case studies.

Students will be able to apply evaluate how the principles of warehousing impact the efficiency and effectiveness of the product flow to the customer.

Students will be able to work in a group to assess and evaluate the use of warehouse automation and advanced technology tools in a final applied business case study and/or warehouse site visit.

## LGM 340 - Production & Logistics Information Systems

Students will be able to analyze and assess a logistics case study on the strategic use of information technology and appraise if the company will achieve a competitive advantage.

Students will be able to appraise how logistics information technology is applied in different enterprise business subsystems.

Students will be able to examine how the concepts of information technology meet the needs of management.

Students will be able to interpret the challenges of managing information technology and evaluate a case study of a business information system implementation.

## LGM 352 - Decision Modeling for Logistics

Students will be able to compare, contrast, and conclude how decision making models are used in operations management.

Students will be able to demonstrate proficiency using analytical spreadsheets, simulation programs, and other computer assisted mediums.

Students will be able to identify, explain, and summarize operations management concepts and terminology.

Students will be able to integrate the understanding of decision making models by assessing examples and evaluating results.

## LGM 410 - Finance and Budgeting

Students will be able to analyze and interpret financial statements.

Students will be able to apply basic principles of cost accounting and other analytical tools to create financial reports for internal decision making purposes.

Students will be able to apply basic principles of cost accounting and budgeting to create budgets.

Students will be able to use financial reports and other analytical tools to evaluate performance.

Students will be able to identify the goals, strengths, and weaknesses of various performance evaluation methods.

## LGM 420 - Safety and Risk Management

Students will be able to apply the concepts of safety and risk assessment to a past or present workplace experience.

Students will be able to explain the different approaches to managing environmental risk.

Students will be able to compare and contrast the appropriate role of risk analysis in public versus private settings.

Students will be able to apply advanced qualitative and quantitative tools and methods of risk assessment.

Students will be able to identify a workplace setting on campus or a current workplace, with permission assess the current safety culture and practices, and design a Safety Management System plan.

## **LGM 440 - Logistics Project Management**

Students will be able to develop effective approaches for managing high-performance project teams, communication strategies, and best practice closeout strategy that maximizes the value of the project experience.

Students will be able to critique the impacts of schedule, cost, and scope elements in projects and analyze different techniques for managing risks.

Students will be able to create project Charters, Scope statements, Work Breakdown Structures (WBS), Project Network Diagrams, and Responsibility Assignment Matrix (RAM).

Students will be able to apply project management methodologies, processes, and tools to projects in complex organizations.

## **LGM 450 - Sustainability: Environmental and Financial Impact**

Students will be able to assess the economic impact of sustainable investments by calculating the return on investment using financial calculations such as: payback, net present value, and the internal rate of return.

Students will be able to critically examine environmental policy issues and discuss and evaluate the impact of human population on the environment.

Students will be able to evaluate and assess new sources of energy, air and water quality, waste treatment, reclamation, and conservation efforts.

Students will be able to evaluate supply chain decisions to identify ways to improve the sustainability of the company.

## **LGM 460 - Legal Concepts for Transportation and Logistics Management**

Students will be able to analyze risks and evaluate the elements of risk management.

Students will be able to apply transportation laws and regulations to case studies.

Students will be able to evaluate contract formation under the Uniform Commercial Code (UCC) and Contracts for International Sales of Goods (CISG).

Students will be able to locate and interpret transportation laws and regulations.

## **LGM 470 - Import Export Management**

Students will be able to analyze different export management strategies and compare and contrast the advantages and disadvantages of these strategies in meeting the challenges of international trade.

Students will be able to assess and evaluate a supply chain to identify and address import/export risk.

Students will be able to evaluate a supply chain and identify and characterize the documentation required to import or export goods.

Students will be able to evaluate and compare approaches to export and import compliance and assess how new technology reduces freight costs.

## **LGM 490 - Logistics Industry Research Capstone**

Students will be able to create a research project by investigating, researching, analyzing and developing a hypothesis for a logistics operations management problem.

Students will be able to develop a survey and send it to logistics companies to analyze the data, test the hypothesis, and reach a conclusion of whether the hypothesis was supported or not.

## **LGM 491 - Logistics Operations Management Internship**

CSLOs are under review.