

Logistics and Supply Chain Management (SCLM)

SCLM 200 Introduction to Supply Chain Management and the Profession 3 Credits (3,0)

Introduction to supply chain management. Stages of supply chains; day-to-day operations; performance metrics.

Prerequisites: MGMT 201

Course Offered at: Worldwide, Asia

SCLM 236 Principles of Procurement Management 3 Credits (3,0)

Procurement's role in supply chain management. Legal and financial implications, transportation pricing strategies, integration with logistics, quality, and operations. Use of SAP.

Prerequisites: MGMT 201 and SCLM 200

Course Offered at: Worldwide

SCLM 299 Special Topics in Logistics and Supply Chain Management 1-6 Credit (1-6,0)

Individual, independent, or directed studies of selected topics in logistics and supply chain management.

Course Offered at: Daytona Beach, Prescott, Worldwide

SCLM 331 Transportation Principles 3 Credits (3,0)

Basic principles of various transportation modes including air, sea, rail, automobile, transit, and pipeline; operating characteristics, intermodal competition, compatibility, interconnectivity, and the importance of each mode in the economy, environmental issues, and future development prospects.

Prerequisites: MGMT 201

Course Offered at: Daytona Beach, Prescott, Worldwide, Asia

SCLM 341 Global Logistics and Supply Chain Management 3 Credits (3,0)

Global logistics and supply chain management in a global economy. Key developments and roles across transport systems. Competitiveness and efficiency in organizations. Innovative and critical thinking in logistics solutions. Key drivers and measures for problem-solving. Local and global business challenges.

Course Offered at: Prescott

SCLM 363 Supply Chain Management 3 Credits (3,0)

Key principles of supply chain management, covering sourcing, inventory, quality, and relationship management, with a focus on global competitiveness. Applications in aviation and aerospace industries are emphasized, preparing students to apply innovative thinking and address real-world logistics challenges in both local and global markets.

Course Offered at: Daytona Beach, Worldwide, Asia

SCLM 399 Special Topics in Logistics and Supply Chain Management 1-6 Credit (1-6,0)

Individual, independent, or directed studies of selected topics in logistics and supply chain management.

Course Offered at: Daytona Beach, Prescott, Worldwide

SCLM 400 Business Process Integration 3 Credits (3,0)

Managing end-to-end transactions from supplier to customer using SAP. Students initiate, manage, and complete integrated transactions through various case scenarios.

Prerequisites: SCLM 236

Course Offered at: Worldwide

SCLM 410 Management of Air Cargo 3 Credits (3,0)

In-depth understanding of the air cargo industry and the complexities involved in the movement of air cargo to include the evolution of the air cargo industry, management of air cargo operations; regulations governing airfreight; significance to economy and society; and future growth of the industry.

Prerequisites: MGMT 201 and Junior or Senior standing

Course Offered at: Daytona Beach, Prescott, Worldwide, Asia

SCLM 411 Logistics Management for Aviation/Aerospace 3 Credits (3,0)

Optimization of the physical flow of goods and materials within a firm, from acquisition to distribution, focusing on aviation logistics. Students apply logistics theory to aviation management issues like materials handling, inventory, capacity planning, and distribution center locations, with case studies and computer models providing practical aerospace applications.

Prerequisites: MGMT 201 and STAT 222

Course Offered at: Daytona Beach, Prescott, Worldwide, Asia

SCLM 420 Management of Production and Operations 3 Credits (3,0)

Operations management in service-oriented and product-oriented organizations; forecasting, inventory management, quality control, work design and measurement, capacity planning, product and service design.

Prerequisites: MGMT 201 and STAT 222 or MATH 241

Course Offered at: Daytona Beach, Prescott, Worldwide, Asia

SCLM 430 Business Process Configuration 3 Credits (3,0)

Fundamentals of ERP system configuration. Understanding configuration options and functional aspects of systems.

Prerequisites: SCLM 236 and MGMT 201

Course Offered at: Worldwide

SCLM 440 Advanced Professional Logistics 3 Credits (3,0)

Analysis of Systems Engineering, Integrated Logistics Support, and logistics theories. Focus on applying logistics concepts in a practical framework for business logistics managers.

Prerequisites: SCLM 400

Course Offered at: Worldwide, Asia

SCLM 452 Lean Six-Sigma in Aviation and Aerospace 3 Credits (3,0)

Lean Six Sigma (LSS) theory and its application in aviation/aerospace; history of Six Sigma, JIT/Lean, and LSS; Quality Function Deployment (QFD) models; DMAIC process; blending product/process and customer specifications in product/service design.

Course Offered at: Daytona Beach

SCLM 499 Special Topics in Logistics and Supply Chain Management 1-6 Credit (1-6,0)

Individual, independent, or directed studies of selected topics in logistics and supply chain management.

Course Offered at: Daytona Beach, Prescott, Worldwide