

Logistics

Logistics management has become a source of competitive advantage and value creation in companies throughout Texas and the United States. UNT is nationally recognized as a hub of expertise in logistics and supply chain management, offering an exceptional base of faculty and professional resources and comprehensive programs that incorporate cutting edge research, technologies, and practices across the entire field. Research focuses on process design, network optimization, and execution of freight and passenger flows from the source of supply to delivery. UNT's location in the Dallas-Fort Worth metroplex offers superior advantages. The DFW area is the largest inland port in the U.S. and a major distribution center for North America. Texas boasts the nation's largest rail and road networks with over 10,000 miles of railroads, eight interstate highways, and more than 300,000 miles of roadways. The UNT Complex Logistics Systems research cluster leverages university areas of expertise with partnerships in the public and private sectors. Working alliances with business leaders benefit the industry and create opportunities for student and faculty researchers to develop, advance, and apply knowledge in the field.

- **Nationally recognized hub of expertise in logistics and supply chain management, with cutting edge research, technologies, and practices across the entire field**
- **Support from major industry partners includes Williamson-Dickie Manufacturing Co., Hostess Brands, Hillwood Investment Properties, Burlington Northern Santa Fe Railway Co., Sysco Foods, J.C. Penney, PepsiCo, and Lockheed Martin Aeronautics Co.**
- **Working alliances with business leaders and proximity to railyards, airports, highways, and intermodal centers provide "real-life laboratory" opportunities to study supply chain operations**
- **The Dallas-Fort Worth area is the largest inland port in the U.S. and a major distribution center for North America, hosting three of the nation's Class One freight railroads, over 600 motor carriers, and 55 air cargo carriers**

Representative Faculty

Terry Pohlen, Director of the Center for Logistics Education and Research; and Associate Professor of Logistics: *financial management; costing and price; and transportation policy and infrastructure*

Ted Farris, Professor of Logistics: *supply chain mapping; cash-to-cash; transportation operations; and regulation*

Pam Donovan, Assistant Professor of Logistics: *air transportation and logistics management*

Wes Randall, Assistant Professor of Logistics: *supply chain performance; supply chain finance; and risk modeling*

Terry Clower, Director of the Center for Economic Development and Research; and Associate Professor of Economics: *economic development; impact assessment; transportation systems; and housing*

Steve Joiner, Lecturer of Logistics: *avian operations and management*

Shailesh Kulkarni, Associate Professor of Information Technology and Decision Sciences: *supply chain networks; and operations research*

Ila Manuj, Assistant Professor of Logistics: *risk and complexity management in global supply chains; and inter-organizational learning*

David McEntire, Professor of Public Administration: *community preparedness; international disaster relief; and security*

Armin Mikler, Professor of Computer Science and Engineering: *computational epidemiology; large communication networks; and bio-emergency response plans*

Victor Prybutok, Regents Professor of Information Technology and Decision Sciences: *information systems measurement; quality control; and risk assessment*



Select Research Resources

Center for Logistics Education and Research

www.cob.unt.edu/logisticscenter

The Center establishes alliances between businesses and academic communities in order to advance the study and practice of logistics and supply chain management in Texas, nationally, and globally.

Center for Decision and Information Technologies

www.cob.unt.edu/cdit

The Center partners UNT with North Texan businesses and other organizations to focus on the areas of information technology management, quality and improvement, business continuity and security, decision making techniques, and research issues.

Center for Economic Development and Research

cedr.unt.edu

The Center conducts funded applied economic research on issues of economic and community development, economic and fiscal impact analysis, urban planning, transportation systems analysis, and strategic planning. These skill areas have been applied to multiple projects looking at the impacts of disaster events and the impacts of disaster mitigation strategies on local and regional economies.

Emergency Operations Center

www.unt.edu/features/emergencylab

UNT's state-of-the-art center serves as a nexus for all disaster communications. It provides faculty and students with an opportunity to apply various technologies in simulation and real emergency settings to understand how individuals and organizations interact during a crisis. Emphasis on learning through practice builds decision-making and critical thinking skills needed for managing low level and catastrophic disasters.

Murphy Center for Entrepreneurship

www.murphycenter.unt.edu

The Center provides students, faculty, and entrepreneurs with the opportunity to exchange ideas, build entrepreneurial skills, and engage in joint entrepreneurial efforts. Academic programs access an integrated infrastructure of resources and a network of business leaders, alumni, and external collaborators to stimulate the formation of innovative enterprises and creative solutions for social problems.

CSCMP: The Dallas/Fort Worth Council of Supply Chain Management Professionals

dfw-cscmp.org

CSCMP is the only professional association that covers the entire supply chain profession. Its mission is to lead the evolving field by developing, advancing, and disseminating supply chain knowledge and research.

The North Texas Commission Logistics Committee

www.ntc-dfw.org/logistics.html

Since 1994 the NTC Committee's mission is to develop strategies and programs to market the Dallas/Fort Worth metroplex as a key logistics center of the Americas and to address areas of possible improvement in the region's infrastructure.

Contributing Research Clusters:

Complex Logistics Systems

logisticsresearch.unt.edu

Hazards and Disaster Research to Respond to Global Crises

disasterresearch.unt.edu