

Managerial Logistics

Program and Application Information

Program Director:	Dr. Denver Tolliver
Assistant to the Director of Educational Programs:	Jody Bohn Baldock
Email:	jody.bohn.baldock@ndsu.edu
Department Location:	Upper Great Plains Transportation Institute
Department Phone:	(701) 231-7938
Department Web Site:	www.ndsu.edu/transportation/mml/
Application Deadline:	July 1 for fall semester; December 1 for spring semester
Degrees Offered:	M.M.L.
English Proficiency Requirements:	TOEFL iBT 71; IELTS 6

Program Description

Changing global environments poses great challenges for civilian and military logisticians alike. Response operations require huge amounts of material and personnel delivered in precise quantities and with precise timing. A key to meeting these challenges is a joint interdisciplinary approach to logistics.

The online Master of Managerial Logistics program targets inspiring logisticians, industry professionals, military officers and DOD civilians who want to meet the transportation challenges of the 21st century. A wide range of career opportunities exists in the transportation industry: logistics and supply chain management, operations management, purchasing and demand management, emergency management, consulting, retail and many more.

An advanced degree in logistics will help you stand out above others when you begin your career or advance your career in industry. The Master of Managerial Logistics degree at NDSU will enhance your knowledge, skills, and opportunities for a successful career in transportation. Advance your education and become a leader who sets the industry pace.

Admission Requirements

The Managerial Logistics master's program is open to qualified graduates of universities and colleges of recognized standing. Students must meet the Graduate School admission requirements.

The Master of Managerial Logistics degree is an online degree and does not require a thesis. A minimum of 35 credits is required for the Master of Managerial Logistics. All 35 credits must be completed using approved courses numbered from 700-789, and 790. Students will participate in a capstone experience, culminating all course material, applications, and research skills together in the Case Studies in Logistics course. An overall GPA of 3.0 or higher must be maintained.

The MML is an interdisciplinary program. Master of Managerial Logistics courses consist of the following:

TL 711	Logistics Systems	4
TL 715	Enterprise Resource Planning	3
TL 719	Crisis Analysis and Homeland Security	3
TL 721	International Logistics Management	4
TL 723	Advanced Supply-Chain Planning Across the Enterprise	3
TL 725	Technology Advances and Logistics	3
TL 727	Organizational Change Management	3
TL 729	Adaptive Planning in Logistics Systems	3
TL 731	Logistics Decision Analysis	3
TL 733	Case Studies in Logistics	3
TL 751	Transportation Systems Security	3

Sample plan of study (Note: Plan of study can be adjusted if transfer credit are accepted.)

First Year			
Fall	Credits Spring	Credits Summer	Credits
TL 711	4 TL 719	3 TL 729	3

TL 751	3	TL 723	3	TL 731	3
	7		6		6
Second Year					
Fall	Credits Spring		Credits Summer		Credits
TL 725	3	TL 715	3	TL 727	3
File Plan of Study		TL 721	4	TL 733	3
	3		7		6

Total Credits: 35

Canan Bilen-Green, Ph.D.

University of Wyoming, 1998

Research Interests: Quality and Reliability Engineering, Design and Auditing of Quality and Productivity Monitoring Systems, Statistical Modeling and Applications, Applied Operations Research

Department: Industrial and Manufacturing Engineering

John Bitzan, Ph.D.

University of Wisconsin-Milwaukee, 1997

Research Interests: Transportation Economics

Department: Management and Marketing

Alan Dybing, Ph.D.

North Dakota State University, 2013

Research Interests: Asset Management, Energy Impacts, Freight Transportation, Agricultural Transportation, Supply Chain Management, Transportation Economics, Spatial Analysis, Transportation Systems Modeling

Department: Upper Great Plains Transportation Institute

Gokhan Egilmez, Ph.D.

Ohio University, 2012

Research Interests: Problems of Multidisciplinary Domains Including Manufacturing, Supply Chains, Energy, Food & Agriculture, Transportation and Built Environment From Triple Bottom Line (Socio Economic And Environmental) Sustainability Point of View by Using Novel Research Methods Such as Life Cycle Assessment (LCA), Regional, National and Multi Region Input Output Analysis (RIO, NIOA, And MRIO), Data Envelopment Analysis (DEA), System Dynamics (SD), Carbon, Energy, Water and Ecological Footprint Analysis, Multi-Criteria Decision Making, Goal Programming and Fuzzy Set Theory

Department: Industrial and Manufacturing Engineering

Kambiz Farahmand, PhD, PE

University of Texas at Arlington, 1992

Research Interests: Productivity Improvement of Manufacturing Systems, Lean Manufacturing and implementation, Ergonomics, Safety and Human Factors Engineering, Human Exposure and Physiology Simulation, Simulation and Modeling, Facilities and Production Layout Planning, Operations & Materials Logistics Management and Strategic Planning, ISO and QS 9000 standards, and Healthcare Management

Department: Industrial and Manufacturing Engineering

Robert Hearne, Ph.D.

University of Minnesota, 1995

Research Interests: Natural Resource and Environmental Economics

Department: Agribusiness and Applied Economics

Siew Hoon Lim, Ph.D.

University of Georgia, 2005

Research Interests: Production Economics, Transportation, Industrial Organization

Department: Agribusiness and Applied Economics

Jill Hough, Ph.D.

University of California-Davis, 2007

Research Interests: Public Transportation, Travel Behavior, Built Environment, Accessibility and Mobility of Seniors

Department: Upper Great Plains Transportation Institute

Ying Huang, Ph.D.

North Dakota State University, 2015

Research Interests: Intelligent Transportation Systems, Pavement and Pipeline Performance Evaluation, Vehicle Identification and Traffic Analysis, Structural Health Monitoring/Smart Structures for Transportation Infrastructure, Applications of Adaptive and Smart Materials, Multi-Hazard Assessment and Mitigation

Department: Civil and Environmental Engineering

Daniel J. Klenow, Ph.D.

North Dakota State University

Research Interests: Social Vulnerability and Functional Needs Populations, Homeland Security and Terrorism, Tornado Vulnerability, Disaster Preparedness, Response, and Recovery

Department: Emergency Management

Won Koo, Ph.D.

Iowa State University, 1974

Research Interests: International Trade

Brenda Lantz, Ph.D.

Pennsylvania State University, 2006

Research Interests: Commercial Vehicle Safety Systems and Analysis, Supply Chain, Intelligent Transportation Systems for Commercial Vehicle Operations, and Statistical Modeling and Diagnostics.

Department: Upper Great Plains Transportation Institute

EunSu Lee, Ph.D.

North Dakota State University, 2011

Research Interests: Transportation Systems Modeling, Informatics, Spatial Analysis, Logistics, Supply Chain Management, Industrial Engineering

Department: Upper Great Plains Transportation Institute

Pan Lu, Ph.D.

North Dakota State University, 2011

Research Interests: Asset Management, Freight Transportation, Statistical Modeling and Applications, Multi-Modal Transportation, Applied Operation Research

Department: Upper Great Plains Transportation Institute

Diomo Motuba, Ph.D.

North Dakota State University, 2009

Research Interests: Transportation Economics, Transportation Systems Modeling, Freight Transportation, Econometrics, Logistics, Supply Chain Management

Department: Upper Great Plains Transportation Institute

Kendall E. Nygard, Ph.D.

Virginia Polytechnic Institute, 1978

Research Interests: Advanced Technologies in Logistics, Optimization Modeling, Simulation Modeling, Data Science and Computational Methods

Department: Computer Science and Operations Research

Peter O'Dour, Ph.D.

University of Missouri-Rolla, 2004

Research Interests: GIS, Groundwater contamination, Remote sensing

Department: Geosciences

David C. Roberts, Ph.D.

Oklahoma State University, 2009

Research Interests: Impacts of Agricultural Production Methods on the Environment and Natural Resources, Economics of Precision Agriculture Technologies and the Response of Cropping Patterns, Land Use Change to Emerging Biofuels Policy at the Federal Level

Department: Agribusiness and Applied Economics

Joseph Szmerekovsky, Ph.D.

Case Western Reserve University, 2003

Research Interests: Project Management and Scheduling, Complex Systems and Flexible Manufacturing and Using Linear and Nonlinear Dynamic and Integer Programming and Network Flows

Department: Management and Marketing

Denver D. Tolliver, Ph.D.

Virginia Polytechnic University, 1989

Research Interests: Transportation Systems Planning, Freight Transportation, Economic Analysis

Department: Upper Great Plains Transportation Institute

Rodney D. Traub, Ph.D.

Purdue University, 1994

Field: Operations Management

Department: Management and Marketing

Kim Vachal, Ph.D.

George Mason University, 2005

Research Interests: Policy, Economics, Regional Development

Department: Upper Great Plains Transportation Institute

Amiy Varma, Ph.D.

Purdue University, 1993

Research Interests: Transportation Systems and Planning, Traffic Engineering, Airports, and Infrastructure Management

Department: Civil Engineering

David L. Wells, Ph.D.

University of Missouri-Rolla, 1996

Research Interests: International Studies in Manufacturing Technology, Strategic Management, Economic Development Strategies

Department: Industrial and Manufacturing Engineering

William W. Wilson, Ph.D.

University of Manitoba, 1980

Research Interests: Commodity Marketing, Agribusiness, Industrial Organization

Department: Agribusiness and Applied Economics

Frank Yazdani, Ph.D., PE

University of New Mexico, 1987

Research Interests: Structural Engineering/Mechanics, Constitutive Modeling of Materials, Damage Mechanics, Plasticity, Computational Plasticity, Finite Elements, Concrete and Masonry Materials

Department: Civil Engineering