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. - PROGRAM ONLINE ONLY
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 exist 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:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>TL 711</td>
<td>Logistics Systems</td>
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<td>TL 715</td>
<td>Introduction to ERP</td>
<td>3</td>
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<tr>
<td>TL 719</td>
<td>Crisis Analysis and Homeland Security</td>
<td>3</td>
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<td>TL 721</td>
<td>International Logistics Management</td>
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<td>TL 723</td>
<td>Advanced Supply-Chain Planning Across the Enterprise</td>
<td>3</td>
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<td>TL 725</td>
<td>ERP Configuration</td>
<td>3</td>
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<td>TL 727</td>
<td>Organizational Change Management</td>
<td>3</td>
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<tr>
<td>TL 729</td>
<td>Adaptive Planning in Logistics Systems</td>
<td>3</td>
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<tr>
<td>TL 731</td>
<td>Logistics Decision Analysis</td>
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<td>TL 733</td>
<td>Case Studies in Logistics</td>
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<td>TL 751</td>
<td>Transportation Systems Security</td>
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Sample plan of study (Note: Plan of study can be adjusted if transfer credits are accepted.)

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<th>Summer</th>
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2 Managerial Logistics

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<td>TL 723</td>
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<td><strong>Total Credits:</strong></td>
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</table>

**Canan Bilen-Green, Ph.D.**  
University of Wyoming, 1998  
Department: Industrial and Manufacturing Engineering

**John Bitzan, Ph.D.**  
University of Wisconsin-Milwaukee, 1997  
Research Interests: Transportation Economics  
Department: Management and Marketing

**Raj Bridgelall, Ph.D.**  
North Dakota State University, 2015  
Research Interests: Intelligent Transportation Systems, Automated Vehicles, Connected Vehicles, Smart Cities, Big Data Analytics, Advancements in Transportation Technologies, Sensing and Computing for Transportation Applications (RFID, Wireless Communications, Remote Sensing)  
Department: Upper Great Plains Transportation Institute

**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  
Department: Industrial and Manufacturing Engineering

**Ranjit Godavarthy, Ph.D.**  
Kansas State University, 2012  
Research Interests: Public Transportation, Small Urban and Rural Transit, Traffic Engineering, Transportation Safety, and Roundabout Research  
Department: Upper Great Plains Transportation Institute

**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
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Jill Hough, Ph.D.
University of California-Davis, 2007
Research Interests: Public Transportation, Travel Behavior, Built Environment, Accessibility and Mobility of Seniors
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Ying Huang, Ph.D.
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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
Department: Emergency Management

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Iowa State University, 1974
Research Interests: International Trade

Brenda Lantz, Ph.D.
Pennsylvania State University, 2006
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: New Jersey City University, School of Business, Management Dept.

Pan Lu, Ph.D.
North Dakota State University, 2011
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  
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