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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TL 711</td>
<td>Logistics Systems</td>
<td>4</td>
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<tr>
<td>TL 715</td>
<td>Enterprise Resource Planning</td>
<td>3</td>
</tr>
<tr>
<td>TL 719</td>
<td>Crisis Analysis and Homeland Security</td>
<td>3</td>
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<tr>
<td>TL 721</td>
<td>International Logistics Management</td>
<td>3</td>
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<tr>
<td>TL 723</td>
<td>Advanced Supply-Chain Planning Across the Enterprise</td>
<td>4</td>
</tr>
<tr>
<td>TL 725</td>
<td>Technology Advances and Logistics</td>
<td>3</td>
</tr>
<tr>
<td>TL 727</td>
<td>Organizational Change Management</td>
<td>3</td>
</tr>
<tr>
<td>TL 729</td>
<td>Adaptive Planning in Logistics Systems</td>
<td>3</td>
</tr>
<tr>
<td>TL 731</td>
<td>Logistics Decision Analysis</td>
<td>3</td>
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<tr>
<td>TL 733</td>
<td>Case Studies in Logistics</td>
<td>3</td>
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<tr>
<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 credit are accepted.)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
<th>Summer</th>
<th>Credits</th>
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<tr>
<td>Fall</td>
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<td>TL 719</td>
<td>3</td>
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Second Year

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<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
<th>Summer</th>
<th>Credits</th>
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<tr>
<td>TL 725</td>
<td>3</td>
<td>TL 715</td>
<td>3</td>
<td>TL 727</td>
<td>3</td>
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<tr>
<td>File Plan of Study</td>
<td>TL 721</td>
<td></td>
<td>4</td>
<td>TL 733</td>
<td>3</td>
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<td>6</td>
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</table>

Total Credits: 35

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

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

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
Department: Emergency Management

Won Koo, Ph.D.
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: Upper Great Plains Transportation Institute

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

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