Curriculum & Courses

Students in the SCO PhD Program are required to take all seven SCO PhD seminars (21 credits) during their first two years, and an additional set of elective/supporting courses during or beyond the first two years, to reach the required minimum of 40 course credits.

SCO PhD Seminars Offered:

SCO 8651: Experimental Design
SCO 8652: Regression Analysis
SCO 8711: Research in Operations Strategy
SCO 8721: Management of Technological Operations
SCO 8735: Supply Chain Management
SCO 8745: Research in Quality Management
SCO 8755: Behavioral Operations

*Other SCO course offerings are available in partnership with departments throughout the University of Minnesota.

**Curriculum may be revised at the discretion of the SCO department faculty.

Admissions Statistics (Fall 2016)

- **Applications:** 20
- **Offers:** 5
- **Acceptances:** 2
- **Program size:** 31
- **Average age in program:** 322
- **Average GRE (before August 2011):** 1400
- **Average GRE (after August 2011):** 322
- **Average GMAT:** 684
Supply Chain & Operations Faculty

Karen Donohue
Professor
PhD, Northwestern University
Areas of Interest: Supply chain coordination, impact of competition in outsourcing decisions, behavioral issues in supply chain management

Arthur V. Hill
Professor, John and Nancy Lindahl Professorship for Excellence in Business Education
PhD, Purdue University
Areas of Interest: Operations management, process improvement, lean thinking, supply chain management, production and inventory management, international operations management

Ximin (Natalie) Huang
Assistant Professor
PhD, Georgia Institute of Technology
Areas of Interest: Sustainable operations, environmental legislation, product recovery strategies and economics, supply chain management

William Li
Professor, Eric Jing Professor for Business Teaching and Research
PhD, University of Waterloo
Areas of Interest: Robust design, optimal design, quality engineering, computer design, supersaturated design, data mining, choice experiments

Mili Mehotra
Assistant Professor
PhD, University of Texas, Dallas
Areas of Interest: Supply chain management, discrete models in operations management; in particular service operations, production planning and logistics

Susan Meyer Goldstein
Associate Professor
PhD, The Ohio State University
Areas of Interest: Service design, service process management, health care management and quality

Christopher Nachtsheim
Professor, Frank A. Donaldson Chair in Operations Management
PhD, University of Minnesota
Areas of Interest: Experimental design, regression and analysis of variance

Karthik V. Natarajan
Assistant Professor
PhD, University of North Carolina, Chapel Hill
Areas of Interest: Humanitarian operations, inventory management, operations/finance interface

Rachna Shah
Associate Professor
PhD, The Ohio State University
Areas of Interest: Interactions between lean production systems and strategic and behavioral variables, lean services, impact of information technology on supply chain management, empirical research methods and their impact on operations management research

Kingshuk K. Sinha
Department Chair, Supply Chain and Operations, Professor and Mosaic Company Professor of Corporate Responsibility
PhD, University of Texas, Austin
Areas of Interest: Digital technology operations, high technology operations, strategic evaluation of operations, supply chain management technologies, technology project management, complementarities in operations, health care supply chain management