

The formal
modeling of
decision-making
problems in
different fields.

PHD IN MANAGEMENT
OPERATIONS MANAGEMENT

Insightful research for visionary management

“Working on the cutting-edge business research problems together with the teaching experience that I gained at the Desautels Faculty of Management made me a competitive candidate when I applied for academic positions after my graduation.”

Mohammad Nikoofal, PhD

Assistant Professor of Operations & Supply Chain Management, Ted Rogers School of Management, Ryerson University

PhD Program in Management

The PhD Program in Management at McGill offers the best of American and European approaches to doctoral studies. We combine structured coursework with student autonomy, and create a cooperative environment between students, faculty, and the four collaborating universities: McGill University, HEC-Montréal (affiliated with Université de Montréal), Concordia University (JMSB), and Université du Québec à Montréal (ESG). PhD students have access to over 520 professors qualified to direct doctoral research, as well as the vast library resources of the four institutions. Courses are offered in English and in French (optional). The multicultural, metropolitan atmosphere of Montreal provides a stimulating research environment with its numerous centres, industrial consortia, and multinational corporations.

Operations Management

Operations Management at McGill University's Desautels Faculty of Management encompasses the formal modeling of decision-making problems in different fields found in the critical processes associated with the design, production, and distribution of goods and services.

Faculty members' research interests are wide-ranging and cover topics such as:

- Supply chain design and management
- Big data analytics
- Operations strategy
- Mechanism design and game theory
- Inventory systems
- Transportation and logistics management
- Sustainable operations
- Behavioural operations management
- Capacity expansion and technology choice
- OR/OM in Healthcare Management
- Energy systems
- Data-driven operations management
- Empirical studies in operations management
- Retail management

Typical doctoral level courses:

- Healthcare Operations Management
- Public Sector Operations Management
- Management Research Statistics
- Supply Chain Management*
- Distribution Management*
- Network Optimization in Business*
- Theory of Information and Contracts*
- Dynamic Optimization in Management*
- Operations Management Seminar: Fundamental Concepts, Theories & New Perspectives*

*Offered by Joint PhD Program Universities

Typical support fields:

- Mathematics
- Statistics
- Computer Science
- Economics
- Epidemiology
- Environment