

# SUPPLY CHAIN MANAGEMENT (SCM)

## SCM 1000 Introduction to Project Management 1.5 cr

This course introduces students to the fundamental principles of Project Management – a critical skill for anyone working in any business sector. It will discuss the importance of scope, time, cost, resource, communication, stakeholder, and risk management within a project environment. Relevant case studies will be used to provide context to the material discussed. Assignments and exercises will allow students to apply the skills learned in the course to a sample project.

## SCM 2160 Operations Management 3 cr

Study of operations management. Positions operations management as a critical area of study within business management. Focuses on process approach and system design. May not be held with SCM 2161, the former OPM 2600, or OPM 2601.

**Equiv To:** OPM 2600, OPM 2601, SCM 2161

## SCM 2210 Transportation Principles 3 cr

This course is a study of demand forecasting, cost analysis, regulation of carriers, role of transport in economic development, project appraisal, and transport planning focusing upon agricultural, agri-food and other supply chains. Also offered as ABIZ 2210. May not be held with ABIZ 2210.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 1010 and ECON 1020] or former ECON 1200 (D).

**Equiv To:** ABIZ 2210

## SCM 2220 Selected Topics in Logistics and Transportation 3 cr

This course provides coverage on a number of critical topics in Supply Chain Logistics and Transportation. Areas of emphasis are based on current issues confronting managers and regulators/policy makers such as global supply chain logistics and transportation policy.

**Mutually Exclusive:** SCM 2250, SCM 2260, SCM 3220, SCM 3250, SCM 3260, SCM 3270, SCM 3280

## SCM 2230 Introduction to Supply Chain Management 3 cr

An examination of the management activities that are necessary to ensure an efficient flow of materials, funds, and information among the various organizations in supply chains, from the acquisition of raw materials to the delivery of the finished product to the end user.

## SCM 2240 Purchasing and Supply Management 3 cr

Purchasing and supply management is an increasingly important element of corporate strategy as global supply chains become longer and more complex. In this course, students will learn about a major paradigm shift in purchasing, from a clerical activity to a strategic corporate function.

The course covers strategic supply management, inter-organizational relationships, product and service specifications, price and cost analysis, negotiation, quality management, supply chain information technology, and other important purchasing topics, from a supply chain management perspective. Students may not hold credit for both SCM 2240 and SCM 2220 Topic: Purchasing Management.

**Equiv To:** SCM 2220

## SCM 2260 Transportation Strategy and Policy 3 cr

This course provides students relevant fundamental knowledge on the major concepts of competitive strategies, governance and policies, as well as their application in the transportation sector. Through different teaching methods, this course aims to enable students to develop the ability to put strategic theories and policy concepts into practice within the transportation sector, both in Canada and the world. May not be held with SCM 2220 when titled "Transportation Strategy and Policy".

**Mutually Exclusive:** SCM 2220

## SCM 3220 Introduction to Business Process Management 3 cr

This course will allow students to examine enterprise resource planning (ERP) systems and supply chain management (SCM) systems. Cloud computing, a widely-used architecture to deploy enterprise applications as a service over the Internet, is also included. Within the ERP software, students will build upon baseline knowledge of the ERP application, use the applications to confirm company-wide configuration, settings, and user-level preferences. The course may include a field trip. May not be held with the former SCM 2220 when titled "Introduction to Business Process Management."

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: IDM 2020 (D) and one of [SCM 2240 (D), SCM 2160 (D), SCM 2161 (D), OPM 2601 (D), the former OPM 2600 (D), MSCI 2150 (D), MSCI 2151 (D), SCM 2230 (D)] or consent of the department.

**Mutually Exclusive:** SCM 2220

## SCM 3230 Global Supply Chains 3 cr

The course provides a global orientation to supply chain management, with a particular emphasis on the global linkages between organizations in international supply chains. Supply chain management practices in selected countries are also examined.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: MSCI 2150 (D), MSCI 2151 (D), SCM 2160 (D), the former OPM 2600 (D), OPM 2601 (D), SCM 2230 (D), or SCM 3360 (D), or consent of instructor.

## SCM 3240 Supply Chain Analytics 3 cr

Supply Chain Analytics introduces descriptive, predictive, and prescriptive data analytics and demonstrates the value of their practical use in supply chain management. This course will focus on improving the core supply chain processes through analytics. This course will showcase practical exercises in various fields of supply chain processes.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: IDM 2020 (D) and one of [SCM 2160 (D), SCM 2161 (D), OPM 2601 (D), the former OPM 2600 (D), MSCI 2150 (D), MSCI 2151 (D)] or consent of the department.

## SCM 3250 Airline Business 3 cr

This course provides a practical overview of the modern airline business from a global perspective. Topics such as airline pricing, airline alliance and airline-airport interaction will be included. May not be held with SCM 2220 when titled "Airline Business".

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: SCM 2230 (D) or consent of instructor.

**Mutually Exclusive:** SCM 2220

**SCM 3260 Supply Chain Sustainability 3 cr**

This course covers supply chain sustainability. From a functional viewpoint, supply chain management (SCM) includes logistics/ transportation, purchasing and certain elements of marketing. Sustainability is a multi-dimensional concept, spanning ecological, social, cultural and economic issues. The course includes a special focus on sustainable transportation. May not be held with SCM 2220 when titled "Supply Chain Sustainability".

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: GMGT 2010 (D) or consent of instructor.

**Mutually Exclusive:** SCM 2220

**SCM 3270 Lean Management 3 cr**

Lean Management will provide students with a basic understanding of the components of Lean Management and the opportunity to practically apply the principles, methods and tools of Lean Management to real problems. Students will learn how to analyze case studies and apply course material in real-world situations. May not be held with SCM 2220 when titled "Lean Management".

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: SCM 2160 (D) (or SCM 2161) or SCM 2230 (D) or ABIZ 2520 (D) or MSCI 2150 (D) (or MSCI 2151) or the former OPM 2600 (D) (or OPM 2601) or consent of the instructor.

**Mutually Exclusive:** SCM 2220

**SCM 3280 Project Management in Supply Chain 3 cr**

Topics covered in this course will include project initiating, planning, executing, monitoring and controlling, and closing. Following the PMI methodology, all ten knowledge areas will be covered, including: integration, scope, schedule, cost, HR, quality, risk, communication, procurement and stakeholder management. Students will learn how to analyze case studies and effectively use team work to develop strong planning and an analytical approach pertinent to project management. May not be held with SCM 2220 when titled "Project Management in Supply Chain."

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: SCM 1000 and [one of SCM 2160 (D), SCM 2161 (D), the former OPM 2600 (D), OPM 2601 (D), SCM 2230 (D), ABIZ 2520 (D), GMGT 1010 (D), GMGT 1011 (D), MSCI 2150 (D), MSCI 2151 (D)] or consent of department.

**Mutually Exclusive:** SCM 2220

**SCM 3360 Supply Chain Logistics 3 cr**

The course provides an international/global orientation to logistics and supply chain management.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: one of MKT 2210 (D), MKT 2211 (D), MSCI 2150 (D), MSCI 2151 (D), SCM 2160 (D), the former OPM 2600 (D), OPM 2601 (D), or consent of department.