



## COURSE OUTLINE: SCM304 - INVENTORY

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Approved: Bob Chapman - Dean

<b>Course Code: Title</b>	SCM304: INVENTORY CONTROL AND MATERIALS MGMT
<b>Program Number: Name</b>	2184: SUP CHAIN MGT-EMERG
<b>Department:</b>	BUSINESS/ACCOUNTING PROGRAMS
<b>Academic Year:</b>	2025-2026
<b>Course Description:</b>	This course provides students with a broad Canada-based introduction to the basics of materials management, manufacturing planning and control systems, inventory control, physical distribution, and relationships with other operational functions within the supply chain.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	3
<b>Total Hours:</b>	42
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<b>2184 - SUP CHAIN MGT-EMERG</b>
<b>Please refer to program web page for a complete listing of program outcomes where applicable.</b>	VLO 2 Determine the value added and financial implications of supply chain decisions and design on overall business profitability, efficiency and stakeholder satisfaction
	VLO 5 Contribute to the acquisition and sale of goods, services and materials in accordance with best practices and public and private sector stakeholder expectations across a variety of industries
	VLO 6 Contribute to the strategic planning and scheduling of material requirements, resource allocation and inventory for efficient production and fulfillment of customer orders and returns
	VLO 8 Contribute to the identification and management of continuous improvements to functions and processes within and between supply chains
	VLO 10 Monitor relevant trends, emerging technologies, and local and global economic, political and environmental issues to enhance work performance and guide management decisions
<b>Essential Employability Skills (EES) addressed in this course:</b>	EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 10 Manage the use of time and other resources to complete projects. EES 11 Take responsibility for ones own actions, decisions, and consequences.
<b>Course Evaluation:</b>	Passing Grade: 50%,  A minimum program GPA of 2.0 or higher where program specific standards exist is required



for graduation.

**Books and Required Resources:**

Open Educational Resources

**Course Outcomes and Learning Objectives:**

<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
Learn the fundamentals of inventory management	<ul style="list-style-type: none"><li>- Define the purposes, responsibilities, and terminology associated with inventory management</li><li>- Conduct analysis of different types of inventory and evaluate cost models</li><li>- Design inventory management processes to meet supply chain needs</li><li>- Evaluate risks associated with inventory decision making</li></ul>
<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
Flow of goods in inventory management systems	<ul style="list-style-type: none"><li>- Develop strategies to establish efficient and effective inventory flows</li><li>- Understand essential trade-offs between inventory and transportation and carrying costs</li><li>- Evaluate complexities of global inventory management</li><li>- Investigate new inventory management trends such as cross-docking, vendor-managed inventory, postponement and quick response systems</li></ul>
<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
Inventory management systems, technologies and performance metrics	<ul style="list-style-type: none"><li>- Review best practices for assessing inventory management performance</li><li>- Develop standard metrics and frameworks to evaluate inventory management procedures</li><li>- Understand the critical role of technology in inventory planning and management</li></ul>

**Evaluation Process and Grading System:**

<b>Evaluation Type</b>	<b>Evaluation Weight</b>
Assignments and Case Studies	35%
Final Exam	30%
Midterm Exam	25%
Participation	10%

**Date:**

December 17, 2025

**Addendum:**

Please refer to the course outline addendum on the Learning Management System for further information.

