



**Carleton**  
University

**Sprett**  
School of Business

**BUSI 3301A**  
**SUPPLY CHAIN MANAGEMENT STRATEGIES**  
**FALL 2021**

**Instructor:** Dr. Alireza Ebrahimnejad  
**Office:** TBD  
**Office Hours:** Thursday, 16:30 to 17:30  
**Email:** alirezaebrahimnejad@cunet.carleton.ca

**Modality:** In Person (Tuesday, 8:35 to 11:25)

**Pre-requisites:**

Second-year standing; BUSI 2301 with a grade of C or higher and STAT 2606 with a grade of C- or higher.

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**Course Calendar Description:**

Introduction to strategies in managing supply chain. Topics include strategies for planning and coordinating of all activities involved in procurement, conversion, and channel management in the global environment.

**Course Description:**

This course covers strategies to manage a Supply Chain. It highlights the importance of Supply Chain design in achieving competitiveness. This course reviews the key drivers of Supply Chain performance such as facilities, inventory, transportation, information, sourcing, pricing and the strategies on how to use these drivers on a conceptual and practical level during Supply Chain design, planning and operation to improve performance.

**Learning Outcomes:**

1. Knowledge of Supply Chain Management (SCM) strategies and concepts.
2. Solid understanding of metrics which are used to evaluate Supply Chain performance and the principles which must be considered in the design stage of an efficient Supply Chain.

- Hands on experience of working with analytical tools necessary to solve supply chain problems.

### **Course Material:**

Supply Chain Management: Strategy, Planning & Operation by Sunhil Chopra and Peter Meindl, 5<sup>th</sup> Edition by Pearson.

### **Course Evaluation:**

#### GRADE DISTRIBUTION

GROUP ASSIGNMENT (2 X 15%)	30%
MIDTERM EXAM	20%
FINAL EXAM	50%

#### GROUP ASSIGNMENT

There will be two group assignments where groups of 3 to 4 students will be assigned to solve Supply Chain problem cases. Students are free to choose their own group members. All group members are expected to contribute to the assignments and will share the same grade. Only one report is to be handed by each group for each assignment. Report organization, neatness and professionalism are particularly important. A reminder to retain hard copies of both reports that are submitted.

#### MIDTERM AND FINAL EXAMS

Both exams will be closed book and notes. Quantitative and qualitative questions can be expected. The date, time and location of final exam will be announced by the university. The scheduling office will determine student's eligibility for a deferred final examination. The exam papers will not be returned to students, but they will be available for consultation during office hours.

#### SAMPLE QUESTIONS

Sample questions with solutions will be provided to help students to get prepared for the midterm and final exams. Students are encouraged to solve these sample questions before exams and to see instructor during office hours if any clarification is needed.

#### CLASS ATTENDANCE

The attendance in class is essential to learn course materials and interact with instructor and classmates.

**Course Schedule:**

DATE	TOPIC	NOTE
2021/09/14	Understanding the Supply Chain	Chapter 1
2021/09/21	Supply Chain Performance Drivers and Metrics	Chapter 2 & Chapter 3
2021/09/28	Network Design in the Supply Chain	Chapter 5
2021/10/05	Designing Distribution Networks and Applications to Online Sales	Chapter 4
2021/10/12	Designing Global Supply Chain Networks	Chapter 6
2021/10/19	<b>Midterm exam</b> Sales and Operations Planning (S&OP)	Chapter 9
2021/10/26	<b>Fall break</b>	no class
2021/11/02	Managing Economies of Scale in a Supply Chain: Cycle Inventory	Chapter 11 Group Assignment 1 Due Date
2021/11/09	Managing Uncertainty in a Supply Chain: Safety Inventory	Chapter 12
2021/11/16	Determining the Optimal Level of Product Availability	Chapter 13
2021/11/23	Designing and Planning Transportation Networks	Chapter 14
2021/11/30	Sourcing Decisions in a Supply Chain	Chapter 15

		Group Assignment 2 Due Date
2021/12/07	Pricing and Revenue Management in a Supply Chain	Chapter 16
	Information Technology in a Supply Chain	Chapter 17

**Contribution to Learning Goals of the Program ([BCom](#), [BIB](#)):**

Program Learning Goal	Competencies Not Covered	Competencies Introduced (only)	Competencies Taught But Not Assessed	Competencies Taught and Assessed
<b>CHECK (X) ONE PER ROW</b>				
<b>BC1 Knowledge</b> <i>Graduates will be skilled in applying foundational business knowledge to appropriate business contexts.</i>				X
<b>BC2 Collaboration</b> <i>Graduates will be collaborative and effective contributors in team environments that respect the experience, expertise and interest of all members.</i>				X
<b>BC3 Critical Thinking</b> <i>Graduates will be discerning critical thinkers, able to discuss different viewpoints, challenge biases and assumptions, and draw conclusions based on analysis and evaluation.</i>				X
<b>BC4 Communication</b> <i>Graduates will be effective and persuasive in their communications.</i>				X

<b>BI5 Global Awareness (BIB ONLY)</b> <i>Graduates will be globally-minded.</i>	X			
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### ADDITIONAL INFORMATION

#### Course Sharing Websites

Materials created for this course (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the author(s). They are intended for personal use and may not be reproduced or redistributed without prior written consent of the author(s).

#### Required calculator in BUSI course examinations

If you are purchasing a calculator, we recommend any one of the following options: Texas Instruments BA II Plus (including Pro Model), Hewlett Packard HP 12C (including Platinum model), Staples Financial Calculator, Sharp EL-738C & Hewlett Packard HP 10bII

#### Group work

The Sprott School of Business encourages group assignments in the school for several reasons. They provide you with opportunities to develop and enhance interpersonal, communication, leadership, follower-ship and other group skills. Group assignments are also good for learning integrative skills for putting together a complex task. Your professor may assign one or more group tasks/assignments/projects in this course. Before embarking on a specific problem as a group, it is your responsibility to ensure that the problem is meant to be a group assignment and not an individual one.

In accordance with the Carleton University Undergraduate Calendar (p 34), the letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100	B+ = 77-79	C+ = 67-69	D+ = 57-59
A = 85-89	B = 73-76	C = 63-66	D = 53-56
A - = 80-84	B - = 70-72	C - = 60-62	D - = 50-52
F = Below 50			

Grades entered by Registrar:

WDN = Withdrawn from the course

DEF = Deferred

#### Academic Regulations

University rules regarding registration, withdrawal, appealing marks, and most anything else you might need to know can be found on the university's website, here:

<http://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/>

### **Requests for Academic Accommodation**

You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

#### **Pregnancy obligation**

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website:

[carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](https://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

#### **Religious obligation**

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website:

[carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](https://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

#### **Academic Accommodations for Students with Disabilities**

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. [carleton.ca/pmc](https://carleton.ca/pmc)

#### **Survivors of Sexual Violence**

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and its survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: [carleton.ca/sexual-violence-support](https://carleton.ca/sexual-violence-support)

#### **Accommodation for Student Activities**

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

<https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

For more information on academic accommodation, please contact the departmental administrator or visit: [students.carleton.ca/course-outline](https://students.carleton.ca/course-outline)

### **Academic Integrity**

Violations of academic integrity are a serious academic offence. Violations of academic integrity – presenting another’s ideas, arguments, words or images as your own, using unauthorized material, misrepresentation, fabricating or misrepresenting research data, unauthorized co-operation or collaboration or completing work for another student – weaken the quality of the degree and will not be tolerated.

Process: If an alleged violation occurs, all relevant documentation will be forwarded to the Dean. If the allegation proves true, the penalties may include; a grade of Failure on the submitted work and/or course; academic probation; a refusal of permission to continue or to register in a specific degree program; suspension from full-time studies; suspension from all studies at Carleton; expulsion from Carleton, amongst others.

**For a first offence, at a minimum, the penalty assigned will normally be a zero on the submitted work and at least a minimum full grade reduction of the final course grade. For a second offence, at a minimum, the penalty assigned will normally lead to a suspension from studies.**

Students are expected to familiarize themselves with and follow the Carleton University Student Academic Integrity Policy which is available, along with resources for compliance at: <https://carleton.ca/registrar/academic-integrity/>.

### **Sprott Student Services**

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The Sprott Undergraduate Student Services Office offers program advising and overall student success support. Our team is available to discuss your academic goals and your program progression plans. We can also work with you to develop strategies for success, including study skills for Business. If you experience any difficulty this term or if you would like to access support, please contact our team at [bcom@sprott.carleton.ca](mailto:bcom@sprott.carleton.ca) or at [bib@sprott.carleton.ca](mailto:bib@sprott.carleton.ca).

### **Centre for Student Academic Support**

The Centre for Student Academic Support (CSAS) is a centralized collection of learning support services designed to help students achieve their goals and improve their learning both inside and outside the classroom. CSAS offers academic assistance with course content, academic writing and skills development. Visit CSAS on the 4th floor of MacOdrum Library or online at: [carleton.ca/csas](https://carleton.ca/csas).

### **Important Information:**

- Students must always retain a hard copy of all work that is submitted.
- All final grades are subject to the Dean’s approval.
- For us to respond to your emails, we need to see your full name, CU ID, and the email must be written from your valid CARLETON address. Therefore, in order to respond to your inquiries, please send all email from your Carleton CMail account. If you do not have or have yet to activate this account, you may wish to do so by visiting <https://carleton.ca/its/get-started/new-students-2/>

