

OPM 7300 (G03 and T22) (3.0 CH)
GLOBAL TRANSPORTATION PRINCIPLES
Summer 2023

INSTRUCTOR

Name:	Dr. Barry E. Prentice	Office Hours:	By appointment
Phone:	204-474-9766 / 204-261-5666	Class Time:	Mon/Wed 6:15 – 9:30 pm
Office:	Drake	Classroom	108 Drake Centre
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COURSE DESCRIPTION

This course presents a framework for the analysis of domestic and international supply chains. The principal concepts of transport management and logistics are examined through the lens of economic theory and global supply chains. The economic topics covered include trade, modal supply, derived demand, joint product pricing and location analysis. The global logistics management topics cover distribution clusters, freight forwarding, vertical supply chains, disruptions (risk and innovation) and sustainability.

COURSE OBJECTIVES

On completion of this course, you should be able to:

- analyse global supply chains in Canada and internationally;
- understand a diversity of economic concepts and with application to transportation and trade;
- recognize the role and importance of transportation corridors and gateways serving global markets, and;
- evaluate the managerial trends and technological developments shaping global logistics.

COURSE ACTIVITIES

This course is taught through formal lectures and a group discussion. Examples from current business and industry situations are used to illustrate the practical applications of concepts discussed in class. Students will be assigned to a term-long group project to obtain hands-on experience with global supply chains.

COURSE MATERIALS

Prentice, Barry E. and Darren J. Prokop. ***Concepts of Transportation Economics***. Singapore: World Scientific Publishing, 2016.

Manners-Bell, John. *Introduction to Global Logistics*. 2nd Edition, Kogan Page Limited, 2017.

COURSE ASSESSMENT

Student progress will be assessed through:

<u>Item</u>	<u>Percent of final grade</u>
Group Projects	40%
Final Exam	60%

EXAMINATIONS

The class will be divided into groups of three to undertake studies of global supply chains and make final presentations on the last day of classes.

A two-hour, comprehensive final exam, worth 60% of your final grade, has been set by the MBA office for Monday August 28, 2023, at 6:30 pm, Room TBA Drake Centre.

Final Exam - Global Transport Principles
OPM 7300 G03 Final Exam
6:30 - 9:30 p.m. Room TBA

Final grades will be assigned as follows:

Cumulative Marks	Grade	GPA	Performance
90-100	A+	4.5	Excellent
80-89.99	A	4.0	Very Good
75-79.99	B+	3.5	Good
70-74.99	B	3.0	Satisfactory
65-69.99	C+	2.5	Marginal
60-64.99	C	2.0	Unsatisfactory
50-59.99	D	1.0	Unsatisfactory
49.99 and below	F	0.0	Unsatisfactory

NOTE: Class attendance is required. Missing more than 20% of this course due to absence from lectures may result in a failing grade. It is your responsibility to inform your professor, in advance if possible, of your absence and the reason for it:

- 1) if **medical**, self-declaration form must be submitted for an illness lasting 5 consecutive days or less <https://umanitoba.ca/governance/governing-documents-students#self-declaration-for-brief-or-temporary-student-absences>, no later than 48 hours after the end of the brief absence; a medical note from your physician must be submitted for an illness lasting more than 5 days;

- 2) if a **work commitment**, a signed letter on letterhead from your supervisor is required in advance, noting clearly the date(s) you must be away for your work commitment(s);
- 3) if for **student competitions**, an email from your Asper team coach must be received in advance indicating the dates you are away at competition.

COURSE SCHEDULE

Lecture 1 Monday, July 17, 2022

Concepts of Transportation Chapter 1: Transportation, logistics and technology
Introduction to Global Logistics Chapter 1: What's shaping the global logistics market?

Lecture 2, Wednesday July 19, 2022

Concepts of Transportation Chapter 3: Trade and transportation costs
Introduction to Global Logistics Chapter3: Logistics Market Development by Geography

Lecture 3 Monday, July 24, 2022

Concepts of Transportation Chapter 5: Cost economies and traceability
Concepts of Transportation Chapter 9: Spatial and temporal pricing in transportation

Lecture 4 Wednesday, July 26, 2022

Concepts of Transportation Chapter 6: Modal supply characteristics
Introduction to Global Logistics Chapter 7: European road freight
Introduction to Global Logistics Chapter 11: The European rail and intermodal sectors

Lecture 5 Monday, July 31, 2022

Concepts of Transportation Chapter 12: Location and land settlement
Introduction to Global Logistics Chapter 4: The emergence of logistics clusters

Lecture 6 Wednesday, August 2, 2022

Introduction to Global Logistics Chapter 5: International freight forwarding
Introduction to Global Logistics Chapter 8: Express parcels
Introduction to Global Logistics Chapter 9: Air Cargo

Lecture 7 Wednesday, August 9, 2022

Introduction to Global Logistics Chapter 13: Supply chain dynamics of vertical sectors

Lecture 8 Monday, August 14, 2022

Introduction to Global Logistics Chapter 14: Risks in global supply chains
Introduction to Global Logistics Chapter 16: Supply chain innovation and disruption

Lecture 9 Wednesday, August 16, 2022

Introduction to Global Logistics Chapter 17: Ethical and sustainable supply chain strategies

Lecture 10 Wednesday, August 21, 2022

Group Project Presentations – 20 minutes each

ACADEMIC REGULATIONS AND STUDENT SERVICES

HUMAN ETHICS APPROVAL FOR DATA COLLECTION

As part of coursework, if you will be collecting data from people who are not students in this class, you must obtain Human Ethics approval from the UofM's Research Ethics Board (REB) prior to data collection. This applies to data collection such as surveys, interviews, focus groups, experiments, video recording, etc., where a respondent is solicited for participation.

If the entire class will be working on the same project, your instructor will apply for human ethics approval from the REB. If individuals or small groups of students will be working on different projects, it is the responsibility of the students to obtain approval (only one group member needs to apply). Your instructor will tell you whether s/he will be or you need to. **When in doubt, please talk to your instructor.**

Instructions and forms to apply for human ethics approval can be found at:

<http://umanitoba.ca/research/orec/ethics/guidelines.html>

In most cases, you will be using the "Protocol Submission Form" which is under the "REB Forms - Fort Garry Campus" heading.

It can take up to six weeks to process human ethics applications and obtain approval. Therefore, plan early. Note that approval must be obtained prior to data collection and cannot be obtained during the data collection phase or retroactively. Violation can get you, your instructor, and the Asper School in serious trouble with the REB.

The following do not require REB approval:

- a) Projects where students are conducting the research on themselves during class time;
- b) Projects involving the use of records or information that is in the public domain, including the use of anonymous secondary data and surveys or questionnaires that have already been published;
- c) Projects involving the use of naturalistic observation where there is no reasonable expectation of privacy (i.e. public park).
- d) Practicum or job training projects where students are fully integrated into the organization's operational practices and are not conducting research;
- e) Projects where the intent is to use the information to provide advice, diagnosis, identification of appropriate interventions or general advice for a client;
- f) Projects where the intent is to develop skills which are standard practice within a profession (e.g. observation, assessment, intervention, evaluation, auditing); or
- g) Projects where the information gathering processes are part of the normal professional relationship between the student and the participants.

UNCLAIMED ASSIGNMENT POLICY

Pursuant to the FIPPA Review Committee's approved recommendations of August 15, 2007, all unclaimed student assignments will become the property of the faculty and will be subject to destruction six months after the completion of any given academic term.

STUDENT SERVICES AND SUPPORTS

The University of Manitoba provides many different services that can enhance learning and provide support for a variety of academic and personal concerns. You are encouraged to visit the below websites to learn more about these services and supports. If you have any questions or concerns, please do not hesitate to contact your instructor or the Graduate Program Office.

For Information on...	...follow this link
Course Outlines, Year-at-a-Glance, Concentrations, Textbooks, VW Dates and Final Exams	Asper Graduate Student Resources
Exam Rescheduling Policy - <i>Please refer to Missing a Test/Exam on page 18 of the MBA Student Handbook</i>	MBA Student Handbook
Help with research needs such as books, journals, sources of data, how to cite, and writing	Library Resources
Tutors, workshops, and resources to help you improve your learning, writing, time management, and test-taking skills	Writing and Learning Support
Support and advocacy for students with disabilities to help them in their academic work and progress	Student Accessibility Services
Copyright-related questions and resources to help you avoid plagiarism or intellectual property violations	Copyright Office
Student discipline bylaws, policies and procedures on academic integrity and misconduct, appeal procedures	Academic Integrity
Policies & procedures with respect to student discipline or misconduct, including academic integrity violations	Student Discipline
Students' rights & responsibilities, policies & procedures, and support services for academic or discipline concerns	Student Advocacy
Your rights and responsibilities as a student, in both academic and non-academic contexts	Your rights and responsibilities
Full range of medical services for any physical or mental health issues	University Health Service
Information on health topics, including physical/mental health, alcohol/substance use harms, and sexual assault	Health and Wellness

Any aspect of mental health, including anxiety, stress, depression, help with relationships or other life concerns, crisis services, and counselling.	Student Counselling Centre
Support services available for help regarding any aspect of student and campus life, especially safety issues	Student Support Case Management
Resources available on campus, for environmental, mental, physical, socio-cultural, and spiritual well-being	Live Well @ UofM
Help with any concerns of harassment, discrimination, or sexual assault	Respectful Work and Learning Environment
Concerns involving violence or threats, protocols for reporting, and how the university addresses them	Violent or Threatening Behavior

ACADEMIC INTEGRITY

I.H. Asper School of Business, The University of Manitoba

It is critical to the reputation of the I. H. Asper School of Business and of our degrees that everyone associated with our faculty behaves with the highest academic integrity. As the faculty that helps create business and government leaders, we have a special obligation to ensure that our ethical standards are beyond reproach. Any misconduct in our academic transactions violates this trust. The University of Manitoba Graduate Calendar addresses the issue of academic misconduct under the heading "Plagiarism and Cheating." Specifically, acts of academic misconduct include, but are not limited to:

- using the exact words of a published or unpublished author without quotation marks and without referencing the source of these words
- duplicating a table, graph or diagram, in whole or in part, without referencing the source
- paraphrasing the conceptual framework, research design, interpretation, or any other ideas of another person, whether written or verbal (e.g., personal communications, ideas from a verbal presentation) without referencing the source
- copying the answers of another student in any test, examination, or take-home assignment
- providing answers to another student in any test, examination, or take-home assignment
- taking any unauthorized materials into an examination or term test (crib notes)
- impersonating another student or allowing another person to impersonate oneself for the purpose of submitting academic work or writing any test or examination
- stealing or mutilating library materials
- accessing tests prior to the time and date of the sitting
- changing name or answer(s) on a test after that test has been graded and returned
- submitting the same paper or portions thereof for more than one assignment, without discussions with the instructors involved.

Many courses in the I. H. Asper School of Business require group projects. Students should be aware that group projects are subject to the same rules regarding academic misconduct. Because of the unique nature of group projects, all group members must exercise extraordinary care to insure that the group project does not violate the policy on Academic Integrity. Should a violation occur on a group project, all group members will be held jointly accountable, no matter what their individual level of involvement in the specific violation.

Some courses, while not requiring group projects, encourage students to work together in groups (or at least do not prohibit it) before submitting individual assignments. Students are encouraged to discuss this issue as it relates to academic integrity with their instructor to avoid violating this policy.

In the I. H. Asper School of Business, all suspected cases of academic misconduct involving a graduate student (i.e., MBA, MFin, MSCM, MSc or PhD student) will be reported directly by the instructor to the Dean of the Faculty of Graduate Studies.

FACULTY BIOGRAPHY

I.H. Asper School of Business, The University of Manitoba

Barry Prentice, PhD

Supply Chain Management
I.H. Asper School of Business

Dr. Prentice is a Professor of Supply Chain Management, at the I.H. Asper School of Business, University of Manitoba, an Associate of the Transport Institute, and the third Director (1996-2005). His major research and teaching interests include logistics, transportation economics, urban transport and trade policy. Dr. Prentice holds degrees in economics from University of Western Ontario (1973), University of Guelph (1979) and University of Manitoba (1986).



Dr. Prentice has authored or co-authored more than 250 research reports, journal articles book contributions and a popular textbook. His scholarly work has been recognized for excellence in national paper competitions and awards. In 1999, National Transportation Week named him Manitoba Transportation Person of the Year. Through the Transport Institute, which Dr. Prentice headed from 1996 to 2005, he organized national and international conferences on sustainable transportation (Railways and the Environment), supply chain logistics (Planes, Trains & Ships), agribusiness logistics (Fields on Wheels), northern transportation (Airships to the Arctic) and food trade between Canada and Mexico (La Cadena de Frio). In 1999 and 2003, he received University of Manitoba Outreach Awards. In 2009, Dr. Prentice was made an Honourary Life Member of the Canadian Transportation Research Forum. Since 2015, he is a Fellow in Transportation at Northern Policy Institute.

Dr. Prentice was instrumental in founding a major in transportation and logistics within the B.Comm. (Hons.) program at the I. H. Asper School of Business (fall 2003). Since that time, a new Department of Supply Chain Management has been formed, and in 2006 a M.Sc. program in supply chain management was initiated.

Dr. Prentice has served on the Boards of Directors of several transportation organizations: National Transportation Week (President, 2001 and 2003), Canadian Institute for Traffic and Transportation (Honourary President, 2001-3) and the Canadian Transportation Research Forum (President, 1997). In 2005, Dr. Prentice co-founded ISO Polar, as a not-for-profit association to promote the use of airships as sustainable transport for the northern latitudes. He is Associate Editor of the Journal of Transportation Research Forum. In addition, Dr. Prentice has served on Winnipeg Airports Authority, Inc. (1998-2003), Winnipeg TransPlan 2010, the Mid-Continent International Trade Corridor Task Force, the Rapid Transit Task Force, Council of Canadian Academies (2012-14), Statistics Canada Industry Advisory Committee (2010-2016), expert committees, and is frequently asked to speak on the topics of trade and transportation.