

Physical Distribution and Transportation (AP/ADMS 3360)

Fall 2021

Course Outline

Instructor and Course Information

Instructor: R. Huang
E-mail: rhuan@yorku.ca
Lectures: Thursday 7:00 PM – 10:00 PM

Zoom link: <https://yorku.zoom.us/j/2756888472> at 7PM on Thursdays

Course description and objectives

The purpose of this course is to describe the role of physical distribution and transportation in business and the impact these factors can have on market share and profitability in a competitive marketplace. The learning objectives are to:

- 1 Define logistics and understand its role and importance
- 2 Understand the interaction of logistics with other business functions
- 3 Learn the management and decisions of logistics functions including demand management, inventory management, transportation, warehousing and network design.
- 4 Understand logistics strategic planning and challenges.

Text and material

- 1 Text: R. Novack, B. Gibson, Y. Suzuki, and J. Coyle, “*Transportation – A Global Supply Chain Perspective*”, 9th edition, Cengage Learning, 2018.
- 2 Bartholdi, J.J. III; Hackman, S.T. (2017): *Warehouse & Distribution Science*, Release 0.98. <http://www.warehouse-science.com>.
- 3 Lecture Notes
- 4 Suggested readings and Handouts

Evaluation

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| 1 | Assignments (2) | 20% |
| 2 | Midterm Exam | 40% |
| 3 | Final Exam | 40% |

This schedule is subject to change. Check at least once a week.

Lecture	Date	Topic	Chapter
1	Sept.09	Introduction	Novack, Ch.1, 2 & 3
2	Sept.16	Warehouse Operations and Layout	Bartholdi, Ch. 1,2,3&6
3	Sept.23	Measuring Warehouse Performance	Bartholdi, Ch.14&15
4	Sept.30	Pricing Theory and Pricing Analysis	Slides
5	Oct. 07	Costing and Pricing for Transportation	Novack, Ch. 4
	Oct. 14	No Class	Reading Week
6	Oct. 21	In-class Midterm Exam	Lectures 1,2,3,4,5
7	Oct.28	Motor Carriers, Transportation & Transshipment problems	Novack, Ch. 5&Slides
8	Nov. 04	Waiting Line	Slides
9	Nov. 11	Dynamic Programming and Shortest Path	Slides
10	Nov. 18	Bin Packing & TSP	Slides
11	Nov. 25	VRP, 3PL & Combinatorial Auction	Novack, Ch. 9
12	Dec. 02	Airlines & Revenue Management	Novack, Ch. 7

Assignments/ Exams

1. Please be advised that Assignments are due on the day and time designated at the **BEGINNING** of classes. Late assignments will **NOT** be accepted and no extensions will be granted.
2. Assignments must be **TYPED** (except for graphs). **NON_TYPED** Assignments will **NOT** be accepted.
3. Assignments must be done on an individual basis. Cheating will result in zero for all involved students.
4. The midterm and final exams will include multiple choice and problem solving type questions or a case study.

General Policy

1. Please ensure you read all documentation on the course website.
2. Please note that this is now a remote teaching online course. The entire course, including the lectures, participation/discussion and test/exam-taking, will take place on the course website.
 - a. the recordings should be used for educational purposes only and as a means for enhancing accessibility.
 - b. students **do not** have permission to duplicate, copy and/or distribute the recordings outside of the class (these acts can violate not only copyright laws but also FIPPA).
 - c. all recordings will be deleted after the end of semester.
3. It will be your responsibility to regularly check online posts and your email.
4. This course **might** require the use of online proctoring for examinations. The instructor may use an online proctoring service to deliver the exam(s), which would be administered through the Learning Management System (e.g. Moodle, Canvas, etc.). Students are required to have access to minimum technology requirements to complete examinations. If an online proctoring service is used, students will need to become familiar with it at least five days before exam(s). For technology requirements, Frequently Asked Questions (FAQs) and details about the online proctoring service will be made available if used. Students are required to share any IT accommodation needs with the instructor as soon as they are able.
5. Several platforms will be used in this course (e.g., eClass, Canvas, Zoom, etc.) through which students will interact with the course materials, the course director, as well as with one another. Please review the syllabus to determine how the class meets (in whole or in part), and how office hours and presentations will be conducted.

Students shall note the following:

- Zoom is hosted on servers in the U.S. This includes recordings done through Zoom.
- If you have privacy concerns about your data, provide only your first name or a nickname when you join a session.
- The system is configured in a way that all participants are automatically notified when a session is being recorded. In other words, a session cannot be recorded without you knowing about it.

Technology requirements and FAQs for eClass can be found here -

<https://lthelp.yorku.ca/student-guide-to-moodle>

Virtual office hours:

Please send your questions via email. All questions will be answered within 24 to 48 hours' time. A one-on-one Zoom meeting may be set up depending on the nature of the question. Please note that emails from public email providers such as Gmail and Hotmail might be screened. It is best to use your York email account for this course.

RELEVANT UNIVERSITY/LA&PS/SCHOOL REGULATIONS

Applicable to all ADMS and DEMS courses

Deferred Final Exams: Deferred standing may be granted to students who are unable to write their final examination at the scheduled time or to submit their outstanding course work on the last day of classes. **Students are not required to submit a doctor's note or an Attending Physician's Statement in support of requests for deferred standing for courses impacted by the COVID-19 situation.** Details can be found at <http://myacademicrecord.students.yorku.ca/deferred-standing>

DSA Form: http://www.registrar.yorku.ca/pdf/deferred_standing_agreement.pdf

In order to apply for deferred standing, students must register at:

<http://sas-app.laps.yorku.ca>

Followed by handing in a completed original Deferred Standing Agreement (DSA) form and supporting documentation directly to the main office of the School of Administrative Studies (282 Atkinson) and add your ticket number to the DSA form. **During this time of remote learning, you will be required to submit the forms via email to apsas@yorku.ca.** The DSA and supporting documentation must be submitted no later than five (5) business days from the date of the exam. These requests will be considered on their merit and decisions will be made available by logging into the above-mentioned link. No individualized communication will be sent by the School to the students (no letter or e-mails).

Students with approved DSA will be able to write their deferred examination during the School's deferred examination period. **Deferred exams might take place during the regular exams period or in subsequent weeks depending on the course;** precise dates are known when the Office of the Registrar publishes the final exam schedule of the term. No further extensions of deferred exams shall be granted. The format and covered content of the deferred examination may be different from that of the originally scheduled examination. The deferred exam may be closed book, cumulative and comprehensive and may include all subjects/topics of the textbook whether they have been covered in class or not.

Academic Honesty: The Faculty of Liberal Arts and Professional Studies considers breaches of the Senate Policy on Academic Honesty to be serious matters. The Senate Policy on Academic Honesty is an affirmation and clarification for members of the University of the general obligation to maintain the highest standards of

academic honesty. As a clear sense of academic honesty and responsibility is fundamental to good scholarship, the policy recognizes the general responsibility of all faculty members to foster acceptable standards of academic conduct and of the student to be mindful of and abide by such standards. Suspected breaches of academic honesty will be investigated and charges shall be laid if reasonable and probable grounds exist.

Students should review the York Academic Honesty policy for themselves at:

<http://www.yorku.ca/secretariat/policies/document.php?document=69>

Students might also wish to review the interactive on-line Tutorial for students on academic integrity, at: <https://spark.library.yorku.ca/academic-integrity-what-is-academic-integrity/>

Grading Scheme and Feedback Policy: The grading scheme (i.e. kinds and weights of assignments, essays, exams, etc.) shall be announced, and be available in writing, within the first two weeks of class, and, under normal circumstances, graded feedback worth at least 15% of the final grade for Fall, Winter or Summer Term, and 30% for 'full year' courses offered in the Fall/Winter Term be received by students in all courses prior to the final withdrawal date from a course without receiving a grade, with the following exceptions:

Note: Under unusual and/or unforeseeable circumstances which disrupt the academic norm, instructors are expected to provide grading schemes and academic feedback in the spirit of these regulations, as soon as possible. For more information on the Grading Scheme and Feedback Policy, please visit: <http://www.yorku.ca/univsec/policies/document.php?document=86>

In-Class Tests and Exams - the 20% Rule: For all Undergraduate courses, except those which regularly meet on Friday evening or on a weekend, tests or exams worth more than 20% will not be held in the two weeks prior to the beginning of the official examination period. For further information on the 20% Rule, please visit: <http://secretariat-policies.info.yorku.ca/policies/limits-on-the-worth-of-examinations-in-the-final-classes-of-a-term-policy/>

Reappraisals: Students may, with sufficient academic grounds, request that a final grade in a course be reappraised (which may mean the review of specific pieces of tangible work). Non-academic grounds are not relevant for grade reappraisals; in such cases, students are advised to petition to their home Faculty. Students are normally expected to first contact the course director to discuss the grade received and to request that their tangible work be reviewed. Tangible work may include written, graphic, digitized, modeled, video recording or audio recording formats, but not oral work. Students need to be aware that a request for a grade reappraisal may result in the original grade being raised, lowered or confirmed. For reappraisal procedures and information, please visit the Office of the Registrar site at: <http://myacademicrecord.students.yorku.ca/grade-reappraisal-policy>

Accommodation Procedures: LA&PS students who have experienced a misfortune or who are too ill to attend the final examination in an ADMS course should not attempt to do so; they must pursue deferred standing.

Other students should contact their home Faculty for information. For further information, please visit: <http://ds.info.yorku.ca/academic-support-accomodations/>

Religious Accommodation: York University is committed to respecting the religious beliefs and practices of all members of the community and making accommodations for observances of special significance to adherents. For more information on religious accommodation, please visit:

<https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs>

Academic Accommodation for Students with Disabilities (Senate Policy)

The nature and extent of accommodations shall be consistent with and supportive of the integrity of the curriculum and of the academic standards of programs or courses. Provided that students have given sufficient notice about their accommodation needs, instructors shall take reasonable steps to accommodate these needs in a manner consistent with the guidelines established hereunder. For more information, please visit the Student Accessibility Services (formerly known as Counselling and Disability Services) website at <https://accessibility.students.yorku.ca>

York's disabilities offices and the Registrar's Office work in partnership to support alternate exam and test accommodation services for students with disabilities at the Keele campus. For more information on alternate exams and tests please visit <http://www.yorku.ca/altexams/>

Please alert the Course Director as soon as possible should you require special accommodations.