COURSE DESCRIPTION

This course focuses on the challenges logistics and supply chain managers face in the globalization environment. Few, if any, modern manufacturing dependent business exists anywhere in the world that does not rely on inputs from other countries. In addition, many depend on exports to markets outside their own for a variety of factors including scalability, competitive response and management of corporate taxation. These exigencies require modern managers to have at least a basic understanding of forces that impact the business.

The course puts the corporate supply into the broader framework of the international trading community and conventions governing the conduct of business. Examples of this include global agreements on transfer pricing, classification of merchandise for customs and statistical purposes, standardization of terms of sale, dispute resolution and conventions on risk and border security. We also provide an overview of trading blocs and trade agreements and how the logistics department must assure compliance with trade agreements in the preparation of prior approval petitions and documentation. Compliance with export and import regulations are also discussed.

Second, the course approaches these challenges at the SKU level by studying how businesses adapt supply chains to different environments in MRP and DRP systems taking into account labeling, dosage, quantity, quality and other differences between markets.

Finally, the course will put the actual mechanics of transportation logistics into the foregoing context. We will examine how goods actually traverse borders from a physical point of view. That will include a detailed examination of the modes of transportation between countries, the providers of service in those modes and the border processes and security issues that enable trade in accord with global conventions and trade practice.

This course will draw on material learned in core classes. It is expected students will have a basic understanding of business practices, the relationship of the Profit Statement to the Balance Sheet, management of large organizations including marketing concepts and have had exposure to logistics.

Students completing this course will have an understanding of the issues and language of trade in order that they may interact with specialists in the various disciplines responsible for execution. This will augment related studies in logistics and transportation, operations management and procurement and be different from them by putting the network into the global context. It will put internal operations into the broader context in which they operate.
Content will be delivered through lectures, supported by powerpoint presentations and selected readings of current material on the Web. Weekly quizzes based on the lectures will be given and answers posted as study guides for the mid term and final exams. In addition, team projects will be assigned that will engage students in the most current topics related to global trade and the evolving technologies that support global supply networks. Guest speakers will be invited to provide a real world view of practitioners facing real issues.

COURSE MATERIALS
Readings will be assigned from current periodicals primarily on the Web. The standard text recommended but not required is:

- Title: Supply Chain Logistics Management
- ISBN No.: 1121649071 Publisher: McGraw Hill Create
- Occasionally, supplementary course notes will be distributed in class and made available online.

COURSE TECHNOLOGY
- Websites:
  - Blackboard will be used to upload all PowerPoint lectures and select readings.
  - Students will be required to download Respondus for all exams. All exams and quizzes will be on-line for immediate grading and feedback. Answers to exams and quizzes will be posted as study material for the mid term and final.
  - Students will be required to view YouTube content from time to time.

LEARNING OBJECTIVES
The business school dean’s office requires that each course have learning objectives explicitly tied to those of its academic program (in this case the New Brunswick undergraduate business program). Students successfully completing this course should be able to demonstrate the following:

- Knowledge of global supply network design, global procurement and vendor management, global supply chain coordination and logistic planning
- An understanding of how global conventions influence supply chain decisions, how trade agreements impact the cost and predictability of supply chains and how trade blocs enable or frustrate competitive advantage
- Ability to explain when to use which major mode of transportation, how the decision impacts the business and under what conditions alternatives are used
An ability to communicate and discuss border processes common around the world and how those processes enable or frustrate supply chains with colleagues and business partners

PREREQUISITES AND EXPECTED BACKGROUND

33:799:330 Business Logistics & Transportation  
or 33:799:305 Procurement and Global Sourcing Strategy

Ideally students will have a basic understanding of management, finance and marketing. The following are recommended.

33:010:275 Introduction to Managerial Accounting  
33:620:300 Principles of Management

This course is to be offered as an elective for Juniors and Seniors.

ASSIGNMENTS, EXAMS, AND ACADEMIC INTEGRITY

Subject to change at the instructor’s discretion:

Assignments:

Management is largely about people with different sometimes conflicting views, priorities and strengths finding solutions to complex problems then executing solutions as a team. For that reason a large part of the grade will reflect individual and group contribution to team projects and your active engagement with classmates during their presentations.

Students will be randomly assigned to teams, assigned topics to present and presentation dates. Projects may not be a regurgitation of lectures but rather demonstrate original research into a closely related topic. A team may propose an alternative topic provided that 1) all members agree; 2) the topic is directly relevant to the course; and 3) no other team is presenting on the same topic.

Examples Of Possibly Assigned Topics
➢ Application of block-chain technology In global transportation or supply chain
➢ The economic health of the global liner shipping industry
➢ Geographic trends in global air cargo transportation
➢ International border security programs utilizing the Authorized Economic Operator (AEO) Model
➢ Survey of problems encountered by retail importers in the United States

Quizzes:

There will be a quiz each week. The quiz will be administered on Respondus platform online at home and consist of 50 Multiple Choice and True False questions. Answers will be posted
the following week for study purposes. The grade on quizzes will not be factored into the final grade but failing to take a quiz has a one point penalty against the final point count.

Mid-Term & Final

There will be a mid-term and final exam. These will be 100 questions each, also True False and Multiple Choice (or matching), also on Respondus. The preponderance of questions of these tests will be drawn directly from weekly quizzes.

Scheduling

- Final exam scheduling conflicts will be managed in strict adherence to university regulations. A student with a final exam conflict must e-mail a screenshot of their entire final exam schedule for the semester a week before the last day of classes.

Academic Integrity

Any form of dishonesty will result in an “F” grade for the course. All written work must be the student’s or the team’s own. All references must be cited. Plagiarism or cheating will not be tolerated. Mobile devices in view during exams will be considered cheating. Students are expected to be familiar with the school’s academic integrity policies. Additional information may be found at http://business.rutgers.edu/ai.

OFFICE HOURS

Office hours are by arrangement

ATTENDANCE AND CLASS CANCELLATION POLICIES

- Attendance consistent with university policy is mandatory. After two absences one point will be deducted for every class missed. Excessive absence will result in an “F”. Attendance will be taken by sign-in sheet.

- Class will be held unless the campus is closed due to weather, holiday or other reason.

- If I cannot attend a class for any reason every effort to find a substitute will be made and an email notification will be sent. If no substitute can be found then the planned lecture will be written and distributed or posted as a podcast.

GRADING POLICIES
Grade is final except in the case of an arithmetic error.

<table>
<thead>
<tr>
<th>Grading Schema</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm</td>
<td>25</td>
</tr>
<tr>
<td>Team Project &amp; Presentation</td>
<td>30</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25</td>
</tr>
<tr>
<td>Participation\Assignments</td>
<td>20</td>
</tr>
<tr>
<td>Total Points</td>
<td>100</td>
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</tbody>
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Final Grade
- Over 90 Points: A
- 85-89: B+
- 81-84: B
- 71-80: C+
- 65-70: C
- 60-65: D
- Below 60: F

SUPPORT SERVICES


If you are a military veteran or are on active military duty, you can obtain support through the Office of Veteran and Military Programs and Services. Please see http://veterans.rutgers.edu/.

If you are in need of mental health services, Rutgers has services available. Please see Rutgers Counseling and Psychological Services – New Brunswick at http://rhscaps.rutgers.edu/.

If you are in need of physical health services, Rutgers has services available. Please see Rutgers Health Services – New Brunswick at http://health.rutgers.edu/.

If you are in need of legal services, please see the services available at http://rusls.rutgers.edu/.

COURSE SCHEDULE

The planned course schedule is on the next page of this syllabus. Depending on the performance of the class and weather or other emergencies, it may prove necessary to deviate from this schedule.
Week 1 21st Century Supply Chains – The Technology Revolution
Week 2 Supply chains in a multi-national context
   How postponement can be used effectively to delay final packaging, labeling even ingredient manufacturing.
Week 3 Global Supply Network Design
Week 4 Global Sourcing and Procurement
   Vender management and selection; calculate and compare all the logistics costs, duties and fees from multiple suppliers in different countries to the target destination(s) as well as the logistical risks
Week 5 Global supply chain coordination
Week 6 Logistics planning
Week 7 Logistics Service Providers
Week 8 Transportation Concepts
Week 9 International Transportation by Air and Sea
Week 10 Border Management
   Customs is not the only authority at the border. This will cover other agencies at work including food, agricultural, health, police and anti-terror/drug trafficking practices.
Week 11 Valuation and Classification Of Merchandise
Week 12 Student Presentations Commence
Week 13 Cross Border Processes
   Operations during the cross boarder processes and the physical movements; along with the actual paperwork, documentation, procedures used to export and import. Proofs and evidences.
Week 14 Risk, Security and Sustainability
Week 15 Review