**IEE535**

**Introduction to International Logistics Systems**

**Course Syllabus**

**Fall 2013**

Instructor: J. Rene Villalobos

Lecture: T, TH 6:00 -7:15 PM

Classroom: BYENG210

Instructor J. Rene Villalobos  
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Office BYENGM1-09

Office Hours: Office Hours: W, TH, 10:30 AM – Noon or by appointment

Schedule line: 76421

# Description of Course

In this exploratory, project-oriented course, we will study domestic and international logistics practices from two different perspectives; from a high level, descriptive perspective and from an analytical, model-based perspective. A major emphasis of the course will be on the identification of those areas of the supply chain, in particular within the areas of transportation and plant location, in which the application of analytical tools can make a major contribution to the overall efficiency of different industry segment.

# Text Book:

Business Logistics/Supply Chain Management by Ronald H. Ballou, Fifth Edition

**Reference books**

Introduction to Logistics Systems Planning and Control by Ghiani, Laporte and Musmanno

Logistics Systems Analysis by Carlos F. Daganzo

Supply Chain Management by Sunil Chopra and Peter Meindel

International Logistics by Donald F. Wood, Anthony Barone, Paul R. Murphy and Daniel L. Wardlow, Second Edition

Transportation by John J. Cole, Edward J. Bardi and Robert A. Novack

The Logic of Logistics by J. Bramel and David Simchi-Levi

Global Logistics and Supply Chain Management by Mangan, Lalwani and Butcher, Wiley.

AMPL: A Modeling Language for Mathematical Programming by R. Fourer, D.M. Gay and B.W. Kernighan

Prerequisite: IEE376 or permission of instructor

### Course Topics

Overview of Supply Chain Management and Introduction to Logistics Decisions

Introduction to transportation measures of performance and Inventory policies

Introduction to transportation Modeling

Introduction to international logistics and marketing practices

Transportation Decision Models

Plant location decisions

Sea, air and Rail Transportation

Warehousing

Overview of International Logistics issues

Logistics metrics and benchmarking

International Logistics practices

International logistics decisions

Anti-bioterrorism law, Secure Containers and other National Security Programs

Third Party Logistics Services

Green Logistics   
Advanced Logistics Topics

### Term Project

There will be one term-project during the semester. The project will involve the solution of a problem outlined by the instructor. The project requires a proposal for the project, gathering the relevant data, solving the problem, implementation of the recommendations (if possible), in-class presentations, and a final report. The project will be team based. The recommended number of members of a team is three.

### Paper Presentations

During the semester, the students will be given research papers to read that are relevant to the material being covered in the course. The student will be expected to read the paper and be ready to lead a 15 min. discussion on the most important aspects of the paper. Students will be selected randomly to do the presentations.

### Due Dates for Assignments

Assignments are due at the beginning of the class period of the due date. Anything turned in afterwards and before the start of the next class period will have an automatic deduction of 10 percent. Any assignment handed in after that will receive no credit.

### GRADING

The grade will be determined by weighing the grades of the two examinations and the projects as follows:

2 Examinations @ 150 points/exam 300 pt.

1 Term project @ 100 points 150 pt.

Homeworks/Quizzes/Special Projects 25 pt.

Class participation Attendance 50 pt.

Total 550 pt.

The “90/80/70/60%” may be applied but the instructor reserves the right to “curve” the final points in order to determine individual grades.

Giving or receiving information (copying, etc.) in the course of an examination is considered a severe violation and will result in a penalty no less than an E in the course. If a student for justified reasons misses an exam or quiz, the instructor reserves the right not to give a replacement exam and instead to use the prorated average of the other exams or quizzes as the replacement for the missed exam/quiz.

The teaching plan (available in the web site for the course) lists the reading assignment for the semester. The student will be responsible for this material at the date listed in the teaching plan. The student is expected to attend lectures and complete all homework and classroom exercises, and be ready to take quizzes over the subject material at any time. The subject matter of this course is not exceedingly difficult; however, is an intensive course with a demanding work schedule. Failure to keep pace with the course will result in a written warning the first time and subsequent violations can result in dismissal from the class with a grade of E. Plan for the workload and do not over commit yourself.

ASU’s Academic Integrity Policy and Student Code of Conduct can be found at:

http://www.asu.edu/studentlife/judicial/index.html

You are expected to be familiar with and abide by this policy and code.