[Course Syllabus – ISEN 601 Location Logistics of Industrial Facilities]

**Instructor**

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Office Hours: Thursday 9:30 - 11:00am

**TA**

TBD

**Prerequisites**

ISEN 620 - Survey of Optimization *(or instructor approval)*

**Course Description**

A modern industrial society is characterized by the ability to produce and consume vast quantities of goods and services. With literally an infinite choice of possibilities of how to move and store goods in a logistical system, the logistics engineer must be able to comprehend the needs of the system (objectives, constraints) and be able to design an efficient set of rules for managing it. An important set of decisions in this context is concerned with the number and the location of facilities such as manufacturing plants and distribution centers, and assignment of customer or demand points to these facilities optimally to minimize associated system costs or maximize service levels. The optimization models and tools to be introduced in this course are fundamental in logistics network design and form the basis for addressing a wide variety of situations in the logistical strategic and tactical decision making contexts. The objective of the course is to acquaint you with the field of location logistics, the problems encountered therein, and the methods of analysis used to solve these problems.

**Text**


**Grades**

Three exams and two case study problems will comprise the grade for this course. Exams are closed book, closed notes and case study problems are to be completed individually. Exam dates and case study due dates will be announced in class.

<table>
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<tr>
<th>Grading</th>
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| Exam 1 (tent. 9/27) | 25%  
| Exam 2 (tent. 10/25) | 25%  
| Exam 3 (tent. 12/4) | 25%  
| Case Studies     | 25%  
| A: ≥ 90%         |  
| B: 80% - 89%     |  
| C: 70% - 79%     |  
| D: 60% - 69%     |  
| F: < 60%         |  

* the distribution provided is the MINIMUM numeric requirement to GUARANTEE the corresponding letter grade. The instructor reserves the right to revise this distribution as necessary.
Spring 2012 Course Schedule

We will conform to the University Academic Calendar: (http://www.tamu.edu/admissions/records/academic_calendar.html).

Consideration for University Authorized Absences will be made (http://student-rules.tamu.edu/)

Attendance
Attendance will not be taken during class and is not required except on days where an exam will be given. Lectures will support and supplement material in the course text and all exam dates and case study due dates will be announced in class only. You are responsible for and expected to know all material covered both in the course text and in lectures. Absence during an exam is only allowable with a University approved excuse. Missing an exam without approved absence will result in a grade of zero for the exam with no option to retake.

Aggie Honor Code:
"An Aggie does not lie, cheat or steal or tolerate those who do."

Turning in a case study is your certification that the entirety of the work and all approaches, techniques, and applications utilized were derived solely from your knowledge and/or the instructor/TA. There is absolutely no “outsourcing” or group collaboration allowed on case study assignments. Any knowledge obtained from an individual or outside source must be cited and referenced within any report to which it contributes. There will be absolutely no tolerance extended to individuals found in violation of this policy.

Examinations will be closed book, closed notes. Absolutely no cell phones or other electronic devices may be present during the exam (unless approved by the instructor). If there is any indication that an individual is compromising the integrity of an examination, the individual will be asked to leave and appropriate University protocol will be followed.

Academic Dishonesty
http://www.tamu.edu/aggiehonor/acadmisconduct.htm

Americans with Disabilities Act Statement
If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Koldus 126 (phone: 845-1637, e-mail: disability@tamu.edu, web: disability.tamu.edu).