



Analysis and Design of Logistics Systems

Marc Goetschalckx, Ph.D.

Tel. 404-894-2317
Fax. 404-894-2301
marc.goetschalckx@isye.gatech.edu
www.isye.gatech.edu/~mgoetsch

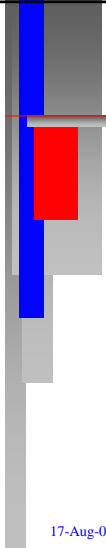
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Course Objectives

- * *Review and Critique the Current State-of-the-Art in Logistics Systems Research*
- * *Develop Skills for Making Oral and Written Critiques*
- * *Identify of Ph.D. Research Topics*

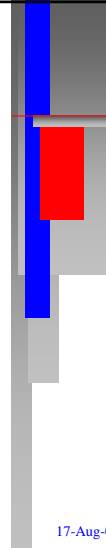
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Ph.D. Level Discussion Course

- * *Texts: Quantitative Supply Chain Analysis*
 - *Simchi-Levi (2004) & Tayur (1999)*
- * *No Midterm nor Final*
- * *Class Discussion of Recent Papers*
- * *One Individual Paper Review*
- * *One Individual Literature Review Project*

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Course Materials

- * *Course Materials*
 - *Word Wide Web:*
www.isye.gatech.edu/~mgoetsch/isye_8852
 - *WebCT section for this course*
webct.gatech.edu

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Discussion Process

- * Reading Assignment
- * Designated Individual Advocate
 - Overheads or PowerPoint
- * Randomly Chosen Critique
 - One page critique with 1+ question
- * Volunteer Critiques
- * Class Discussion and Summary

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Paper Requirements

- * Published in Last 4 Years
- * On a Logistics Topic
- * Refereed Journal
- * Contains Model
- * Contains Computational Experience or Case Study
- * No Authors at Georgia Tech
- * Topic You are Knowledgeable About

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Course Characteristics

- * Class Discussion
- * One Individually Written Review
- * Grading 50 % on Content, 50 % on Clarity of Expression
- * Mandatory Class Attendance

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Grading

- * Advocacy of a Paper (25 %)
- * Class Discussion Participation and Critiques (25 %)
- * Individual Written Review (25 %)
- * Individual Literature Review Project (25 %)
- * 50 % Content, 50 % Clarity of Expression

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Reading Framework

- ① *What Real Life Problem?*
- ② *Is Problem Significant?*
- ③ *What is the State of the Art?*
- ④ *What is the Paper's Contribution?*
- ⑤ *Is the Paper Scientifically Sound?*
- ⑥ *Is the Contribution Significant?*
- ⑦ *What is the Impact on Real Life Problem?*

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