

# Analysis of Material Handling Systems

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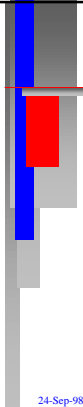
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## Course Objectives

- ★ 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

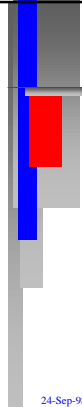
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## Ph.D. Level Discussion Course

- ★ No Text
- ★ No Midterm or Final
- ★ Class Discussion of Recent Papers

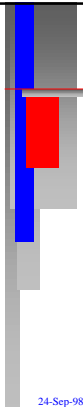
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## Discussion Process

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

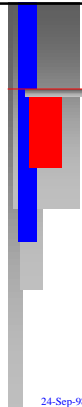
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## Paper Requirements

- ★ Published in Last 5 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 (33 %)*
- ★ *Class Discussion Participation and Critiques (33 %)*
- ★ *Individual Written Review (33 %)*
- ★ *50 % Content, 50 % Clarity of Expression*

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## *Reading Framework*

- ❶ *What Real Life Problem?*
- ❷ *Is Problem Significant?*
- ❸ *What is the State of the Art?*
- ❹ *What is the Paper's Contribution?*
- ❺ *Is the Paper Scientifically Sound?*
- ❻ *Is the Contribution Significant?*
- ❼ *What is the Impact on Real Life Problem?*

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