CSE 421
Introduction to Algorithms
Fall 2010
Course Introduction

Outline

• Course administration
• Stable Marriage Problem

Instructors

• Instructor
  – Richard Ladner
  – ladner@cs.washington.edu
  – 206 543-9347
  – Office Hours 2:30 – 3:00 MWF or by appointment
• TAs
  – Daniel Perelman
    • perelman@cs.washington.edu
    • Office hours: TBA
  – Malik Bouchet
    • malikb2@cs.washington.edu

Resources

• CSE 421 Course Web Page
• Text Book
  – Algorithm Design by Kleinberg and Tardos
• E-mail list
  – For information from instructors
• Message Board
  – For discussion
  – https://catalyst.uw.edu/gopost/board/ladner/18087/
Engagement by Students
- Weekly Assignments from the text
  - Algorithm design and evaluation
- In-class activities

Midterm and Final Exam and Grading
- Midterm
  - Friday, November 5, 2010
- Final
  - Monday, December 13, 2010, 2:30-4:20pm
- Grading
  - Weekly assignments (50%)
  - Midterm Exam (20%)
  - Final Exam (30%)

Some Topics
- Graph Algorithms
- Greedy Algorithms
- Divide and Conquer
- Dynamic Programming
- Network Flow
- NP-Completeness and Intractability

Reading
- Chapters 1
Travel

• Unfortunately, I have a lot of travel this quarter
  – Friday, October 8
  – Wednesday, Friday, October 13,15
  – Monday, October 25
  – Monday, November 15
• Daniel Perelman will teach in my absence