CS 542 (Fall 2001)
Database Management Systems

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Course Information

- **Goal**
  - Introduction to the theory and design of database management systems (DBMSs).

- **Who should attend?**
  - Students interested in database systems, database application development, and database research itself.

- **Scope**
  - Including:
    - Internals of database management systems
    - Fundamental concepts in database theory
    - Database application design and development.

- **Meetings**
  - Tuesdays 6:00 pm - 8:50 pm at WPI Waltham, Room 501.

- **Office Hours**
  - After the classes
Textbook

- Raghu Ramakrishnan and Johannes Gehrke
  DATABASE MANAGEMENT SYSTEMS
  McGraw-Hill Publisher, Second Edition

- The book is available in the WPI bookstore.
- Book site
  - http://www.cs.wisc.edu/~dbbook/
Optional Readings

- Database System Implementation, by Hector Garcia-Molina, Jeff Ullman and Jennifer Widom, (Prentice-Hall, 2000) [used by CS 4432]
- A First Course in Database Systems, by Ullman and Widom, (Prentice-Hall, 1999) [used by CS 4431]
Grading Policy

- Final grades computed based on 100 points:
  - 25 points: Assignments (and maybe Quizzes)
  - 35 points: Exams (Midterm: 15pts, Final: 20pts)
  - 10 points: Research Presentation
  - 30 points: Group Project (Report, Presentation, and Demonstration)
Project Grading

- the difficulty of the project you have chosen
- solution approach, design and implementation
- the oral project presentation
- the written documentation of your project in the form of a report
- successful completion of your intended (even if later modified) project goals
- the demonstration of your system (including successful example runs)
- the understanding of each team member of his or her part of the project, as well as of the overall group product.
Cheating and Late Policy

- **NO CHEATING!**
  - All work is to be done on an individual basis.
  - No violation of the WPI's guidelines for academic integrity.

- **Late Penalty**
  - Turned in *within* the first 24 hours after the due date: subtracting 20% of the total achievable points of that deliverable
  - Between 24 to 48 hours late: reduction of 50% of the total achievable points.
  - Certain deliverables may not have ANY LATE day, as announced.
Schedule – Important Dates

- 9/4: Organization meeting
- 9/18: Project Intent due
- 10/2: Written Project Proposal due
- 10/23: Midterm Exam
- 10/30: Project Status Report (in class)
- 11/6: No class
- 11/20: Thanksgiving Week
  - WE HAVE CLASS!
- 12/4: Final Exam
- 12/11: In class project demo; final project report due.