CS 448/648
Introduction to Database Management

M. Tamer Özsu (DC 3121; tozsu@db)
Frank W. Tompa (DC 1313; fwtompa@db)
Objectives

To study databases from four viewpoints, in particular, those of the database user, the database designer, the database manager, and the database system implementer.

Sub-objectives

1. To understand the principles of relational database management systems and their languages – in particular SQL.
2. To learn the methodology for building applications on top of database management systems – the so called data modeling process.
3. To investigate the internal operations of relational database management systems.
Course Documents

Required textbook:

Other reference texts:

Course home page (for many things):
几十年 http://db.uwaterloo.ca/~tozsu/courses/cs448

Course newsgroup
 decades uw.cs.cs448
Administrivia

- **Office Hours**
  - Prof. Özsu: T 1:30 – 3:00; R 9:00 – 9:45
  - Prof. Tompa: M 9:00-11:00; W 1:00-2:00
  - Also by appointment

- **Grading**
  - CS 448
    - Assignments 25%  
    - Midterm 35%
    - Final 40%
    - Project 15%
  - CS 648
    - Assignments 20%
    - Midterm 25%
    - Final 40%
  - Project 15%

- **Announcements**
  - In class; material will also be available electronically

- **Collaboration**
  - Collaborate on assignments, but do not merely copy.
Lab Component

- **We will use DB2**
  - Learning it is your own responsibility
  - Check out these sources
    - [http://www.student.math.uwaterloo.ca/~cs448/db2_doc.html](http://www.student.math.uwaterloo.ca/~cs448/db2_doc.html)
    - [http://www.student.math.uwaterloo.ca/~cs448/db2_doc.html/db2s0/frame3.htm#index](http://www.student.math.uwaterloo.ca/~cs448/db2_doc.html/db2s0/frame3.htm#index)

- **There are two TAs**
  - Paul Lo, [ccplo@math](mailto:ccplo@math)
    - Office: DC3335C, x. 5896
    - Office hours:
  - Lubomir Stanchev, [lp2stanc@math](mailto:lp2stanc@math)
    - Office: DC3120, x. 4714
    - Office hours: