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):**
  - [http://db.uwaterloo.ca/~tozsu/courses/cs448](http://db.uwaterloo.ca/~tozsu/courses/cs448)

- **Course newsgroup**
  - 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/db2s0/frame3.htm#index

- There are two TAs
  - Paul Lo, ccplo@math
    - Office: DC3335C, x. 5896
    - Office hours:
  - Lubomir Stanchev, lp2stanc@math
    - Office: DC3120, x. 4714
    - Office hours: