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](mailto: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: