Instructor: Wen-Chi Hou

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Office Hours: 11:00 -12:00, 13:00 -14:00, Mon, Wed, Fri.

References:

"Database Systems" the complete book, 2nd Ed.
By H. Garcia-Molina, J. Ullman, J. Widom, 2009

“Fundamentals of Database Systems”
By Elmasri/Navathe, 5th Ed. Addison Wesley, 2006

“Database Management Systems”

Tentative Grading:

Paper Discussions, Project/Paper Presentation, and Final Report: 85%
Attendance and Quizzes: 15%

* No mid-term or final exams.

Course Outline:

1. Transaction Management
2. Distributed Databases
3. Query Optimization
4. Other Topics:
   Data Mining, Data Cubes, XML, Spatial databases, Main Memory Database, Big Data, Cloud Computing.