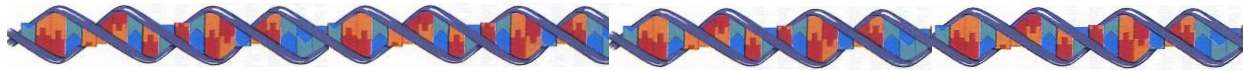


Syllabus: Database Management

CS347 Fall '09
Database Management,
Date: 8/24/09 V1.0



Course Description:

The goal of this course is to teach students the formal underpinnings and programming languages associated with the architecture of relational database management systems. The students will also be taught engineering design methodologies for databases in conjunction with the role of such design and implementation strategies in the context of large software systems. There will be hands on work with UML data modeling tools, SQL programming and application database interfaces. In addition to the topics implied above, important practical issues concerning the commercial deployment of relational databases will be dealt with in greater detail, including, constraints and data integrity, transaction processing, data warehousing, and analytic processing.

Instructor: Prof. Daniel P. Miranker

email: Miranker@cs.utexas.edu

homepage: <http://www.cs.utexas.edu/~miranker>

office hours: Mondays 12:00-1:00, Wednesdays 10:00-11:00

if you will not be at Miranker's office as the beginning of office hours, you must send him an email alerting him to the fact that you will be arriving at another time.

office: Taylor 3.140B, *knock on the door no matter how busy I look.*

Teaching Assistant (TA): Hamid Tirmizi

email: hamid@cs.utexas.edu

class homepage: <http://www.cs.utexas.edu/~hamid/cs347>

office hours: M 2-3p, W 230-330p

office hour location: ENS 31NQ, Desk 3.

Textbooks:

- *(to purchase)* Schaum's Outline of Fundamentals of SQL Programming (Paperback) by Ramon Mata-Toledo, Pauline Cushman, McGraw-Hill, 2000, ISBN: 0071359532.
- *(on-line)* Database design with UML and SQL,
<http://www.tomjewett.com/dbdesign/dbdesign.php>

Supplemental Reading:

- supplemental reading will be posted on the course web site.
There is an abundance of database material on-line. As will be detailed in class, these materials are often superior to textbooks. These materials will be added to the class web site as the course progresses.

Grading: Three tests, 20% each. Homework 40%.

Subject to change, the three tests will be on, Oct. 2, Nov. 6 and Dec. 4. There is no final exam.

There will be project work in the form of implementation homework, thus the net large weight on homework. Individual homework assignments may be weighted differently.

Late & Missed Homework Policy:

There will be problem sets and implementation homework. Each student gets one late problem set and one late implementation homework, no questions asked, provided it is turned in before solution sets are posted. Contact the TA about such timing. Except under extenuating circumstances, and written permission, a second late homework will not be graded. The lowest scoring problem set grade will be dropped. All implementation homework must be turned in, without exception.

Cell Phone Policy:

All cell phones must be turned off during class. No texting during class. The second and subsequent violations will yield a deduction of 10 points each on the following test.