

COURSE SYLLABUS
CS 566.01
DATABASE SYSTEMS
3 credit hours
Spring 2008
Dr. Ken T. N. Hartness

Location of Lecture: AB1 206

Meeting Times: 2:00 - 3:30 MW

Office: AB1 212F

Phone: (936) 294-3524

Office Hours: 9:30 MW, 1:00 MW, 3:30 MW, 2:00 TTh, 9:00 Th

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Catalog Description: This course is a survey of contemporary topics in database systems. Topics may include relational database theory, database design issues, cryptography, security integrity issues, data recovery, concurrency problems, optimization, distributed database systems, the client/server model, object-oriented databases, steganography, data compression, data warehouse, data mining, logic/knowledge-based systems, etc..

Prerequisite: CS 334.

Course Objectives: The student will learn database terminology and issues relevant to the design of databases. The student will learn to apply this knowledge in the development of a web-based database application or other approved project. The student will learn to effectively use scholarly publications and report on their project in a similar format..

Required Text Book: *An Introduction to Database Systems*, 8th ed., by C. J. Date (Addison-Wesley, ISBN: 0-321-19784-4).

Optional Texts, References, or Supplies: Although database management systems and programming languages are available by remote access of campus computers, you may wish to obtain these for your own computer. Java, Visual Basic, C++ (with Qt for standard, cross-platform database access), and PHP are examples of languages with database support. References on SQL or database access in the language of choice are potentially useful.

Attendance Policy: Students must be present at start of class to be recorded as present. Each student is responsible for material covered and assignments made during lecture. Unless otherwise specified, work must be submitted by a due date (often the next class). Whenever possible, exceptions should be arranged at least one week in advance (where reasonable, work is usually required before the absence); otherwise, they should be arranged as soon as possible after an unexpected illness or emergency (written evidence of the seriousness of the situation, such as a doctor's note, is advisable if leniency is desired). Never assume that you can submit work late without discussing the matter with the instructor.

Assignments: Most work written or presented during class or written over a period of 2-5 days is considered homework. In addition, students are expected to complete a database project

approved by the instructor; the project will include a formal database design document. Also, a brief oral and written report on a specialized area of current database technology must be presented to the class. Assignments may be submitted to a verification service, like turn-it-in.com.

Grading Policy: Overall grades are a weighted average of the different types of grades a student has earned. Overall averages above 90 should earn an A, 80-89 a B, and 70-79 a C.

Homework	10%
New developments	10%
Rough draft	1%
Final draft	4%
Oral presentation	5%
Project	20%
Design document	5%
Database and app.	15%
Exams	60% (20% each)

Late work will often be ignored unless special arrangements are made.
Honest cases of collusion without prior permission may result in a split grade.

Academic Dishonesty: All work must be your own or with sources and assistance clearly documented. See www.shsu.edu/~csc_kth/cheating.pdf and the Student Guidelines, Code of Student Conduct and Discipline (<http://www.shsu.edu/students/guide/dean/codeofconduct.html>) for a description of academic dishonesty and the appeals process. Repeated or serious cases of academic dishonesty will result in a grade of F and possibly further disciplinary action. Protect your work from copying and document any code you obtain from books, the Internet, tutors, or friends. Working together, even with permission, should involve a clear division of labor so that independent work can be evaluated. Work may be submitted to a service that checks for plagiarism.

Classroom Rules of Conduct: In compliance with the University Code of Conduct, students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Students should turn off or mute their cellular phones and/or pagers before class begins. Students are prohibited from using tobacco products, making offensive remarks, using inappropriate language, reading newspapers, socializing at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Students will be warned, then directed to leave the class and/or report to the Dean of Students for disciplinary action in accordance with university policy.

Americans with Disabilities Act: According to University Policy, no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. The Counseling Center verifies the need for assistance and provides a request for accommodations to be shared with the professor. Students requesting assistance with academically-related problems stemming from individual disabilities should contact the Director

of the Counseling Center (Lee Drain Annex, 936-294-1720) in a timely manner so that a suitable learning environment is attained early in the semester. (More details at http://www.shsu.edu/~vaf_www/aps/documents/811006.pdf).

Religious Holidays: University policy states that a student who is absent from class for the observance of a religious holy day may take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. Whenever possible, the student should make arrangements with the instructor at least one week in advance (see attendance policy).