Introduction to Database Systems
Course Syllabus

Course Description

This course emphasizes the concepts and structures necessary for the design and implementation of database management systems. Topics include data models, data normalization, data description languages, query facilities, file organization, index organization, file security, data integrity, and reliability.

Course Information

Course Title:	**Database Systems**
Course Number:	CS 4347, Section 001
Term:	Fall 2015
Meeting At:	Mon & Wends 10:00 - 11:15 @ ECSS 2.201
Credit Hours:	3

Instructor's Contact Information

Name:	Dr. Michael Christiansen
Phone Number:	972 883 6909 Note: email is only reliable method of leaving messages
Email Address:	michael.christiansen@utdallas.edu
Office:	ECSS 4.201
Office Hours:	Tuesday and Thursday 1:00-2:00, and by appointment.
	Call my office at 972 883 6909 and if I'm in you are free to stop by.
eLearning Site:	Our eLearning site contains all announcements, slides, assignments, and other materials for this course.

TA Contact Information

Name:	TBD
Office:	TBD
Office Hours:	TBD
Email Address:	TBD

Academic Calendar

- Classes start: 8/24
- Last Day of Class: 12/9
- Midterm Exam: TBD
- Final Exam: TBD
- Last Day to Drop with W: 10/29

See the official UTD calendar for university holidays and closings here.

Course Prerequisites

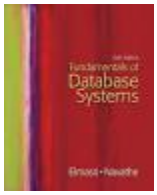
1. CS/CE/SE/TE 3345 Data Structures

Course Learning Goals

1. Understand Data Modeling.
2. Understand the Relational Model and theory.
3. Understand normalization of relations.
4. Gain a fundamental understanding of SQL programming.
5. Understand data organization methods, indexing, and query processing.
6. Understand database integrity and concurrency.

Required Textbook

Fundamentals of Database Systems **Sixth Edition.**
Ramez Elmasri & Shamkant B. Navathe.
ISBN-13: 978-0136086208



Other reading materials as provided in the “Supplemental Materials” folder of the eLearning site.

Grading Policy

The grade will be determined as follows:

- The final course grade will be calculated against the following factors:

Programming Projects	20 %
Homework / Assessments	15 %
Class Attendance	5 %
Midterm Exam	30 %
Final Exam	30 %

- **No bonus work, make-up work, dropped scores, or other means of raising your grade will be provided.**

Classroom Policy

Do not disrupt the class by through the use of a laptop, talking during lecture, etc.

University policies can be found at http://go.utdallas.edu/syllabus-policies for these policies.

The policies and timelines presented in this document are subject to change at the discretion of the Professor.