

	Course	CS 6360.502 SE 6360 502
	Professor	Dr. Mohamed Amine Belkoura
	Term	Fall 2016
	Meetings	Tuesday & Thursday 8:30pm-9:45pm in ECSS2.311

Professor's Contact Information

Office Phone	972-883-4523
Office Location	ECSS 4.403
Email Address	mxb135330@utdallas.edu
Office Hours	Tuesday & Thursday 6:00pm – 7:00pm

General Course Information

Pre-requisites	CS 5343.
Course Description	CS 6360 - Database Design (3 semester credit hours) Methods, principles, and concepts that are relevant to the practice of database software design. Database system architecture; conceptual database models; relational and object-oriented databases; database system implementation; query processing and optimization; transaction processing concepts, concurrency, and recovery; security. Prerequisite: CS 5343. (3-0) S
Learning Outcomes	After successful completion of this course, the student should be able to: 1. Understanding of conceptual, logical and physical organization of data 2. Understanding of Relational Models and theory 3. Understanding of Normalization of Relations 4. Understanding of SQL programming 5. Understanding of Data organization methods 6. Understanding of Indexing, Query processing, Transactions 7. Understanding of Database integrity, Concurrency, Crash Recovery
Required Text	1. <i>Fundamentals of Database Systems</i> , 7th ed., by Ramez Elmasri, Shamkant B. Navathe, Pearson. ©2015. ISBN-10: 0133970779

Important Dates*

08/22 Monday	First Day of Class
09/05 Monday	Labor Day – NO CLASSES
Sundays *	6 Assignments + 1 Group Project – check eLearning for details
10/06 Thursday * 12/08 Thursday *	Exam 1 and 2 in Classroom
11/21 - 11/25	NO CLASSES (Fall break + Thanksgiving)
12/08 Thursday	Last day of classes (Exam day)

* Note: The dates here are tentatively assigned and are subject to change as needed.

Course Policies

Grading Criteria	<div> 4 Assignments (10x4) 40% 3 HW(5x3) 15% Attendance/Participation 5% 2 Tests (20 + 20) 40% </div>	A+ = 97 & above A = 93-96 A- = 90-92 B+ = 87-89 B = 83-86 B- = 80-82 C+ = 77-79 C = 73-76 C- = 70-72 F = below 70
Make-up Exams	Not allowed	
Late Work	2 points off for every hour late; submission closes 2 days after deadline;	
Class Attendance	Required; Attendance will be taken	
All other policies	Please visit http://go.utdallas.edu/syllabus-policies for other policies	

These descriptions and timelines are subject to change at the discretion of the Professor.