

Tentative Schedule – Spring 2017

CptS 451 Introduction to Database Systems

Note: The schedule is subject to change. Check occasionally for changes and updates.

	#	Week	Day of Week			HW Assigned	HW Due
					DMS Book		
Jan10	1	1	Tue	Welcome to CptS451 Overview of Database Systems	Ch-1	Project milestone-0 assigned	
Jan12	2	1	Thu	ER Conceptual Data Model			
Jan17	3	2	Tue	ER Conceptual Data Model (cont.)	Ch-2	HW-1 assigned	
Jan19	4	2	Thu	Relational Model: Introduction	Ch-2		
Jan24	5	3	Tue	Relational Model: Integrity Constraints over Relations	Ch-3	Project milestone-1 assigned	
Jan26	6	3	Thu	Project Overview and JSON Data	Ch-3		
Jan31	7	4	Tue	ER-to-Relational Translation	Ch-3	HW-2 assigned	HW-1 due
Feb2	8	4	Thu	Relational Algebra and Query Evaluation	Ch-4.1, Ch-4.2		
Feb7	9	5	Tue	Relational Algebra (cont.), SQL: Query Language	Ch-4.1, Ch-4.2		
Feb9	10	5	Thu	SQL: Query Language	Ch-5		Project milestone-1 due (11:59pm) HW-2 due Monday
Feb14	11	6	Tue	SQL: Query Language (cont.)	Ch-5		Feb 13 @5pm
Feb16	12	6	Thu	SQL: Query Language (cont.)	Ch-5	HW-3 assigned Project milestone-2 assigned	
Feb21	13	7	Tue	SQL: Constraints and Triggers	Ch-5		
Feb23	14	7	Thu	SQL: Constraints and Triggers	Ch-5	HW-4 assigned	HW-3 due
Feb28	15	8	Tue	SQL: Constraints and Triggers	Ch-5		
Mar2	16	8	Thu	SQL: Views and Indexes	Ch-25.8		
Mar7	17	9	Tue	Stored Procedures, Midterm Review	Ch-6.5		HW-4 due
Mar9	18	9	Thu	MIDTERM		Project milestone-3 assigned	
Mar14	-	-	Tue	Spring Break			
Mar16	-	-	Thu	Spring Break			
Mar21	19	10	Tue	Database Design Theory and Normal Forms	Ch-25.8		Project milestone-2 due

Mar23	20	10	Thu	Database Design Theory and Normal Forms (cont.)	Ch-19		
Mar28	21	11	Tue	Database Design Theory and Normal Forms (cont.)	Ch-19		
Mar30	22	11	Thu	Storage and Indexing	Ch-8, Ch-9, Ch-10, Ch-11	HW-5 assigned	
Apr4	23	12	Tue	Storage and Indexing (cont.)	Ch-8, Ch-9, Ch-10, Ch-11		
Apr6	24	12	Thu	Storage and Indexing (cont.)	Ch-8, Ch-9, Ch-10, Ch-11	HW-6 assigned	
Apr11	25	13	Tue	B+ Tree Index	Ch-8, Ch-9, Ch-10, Ch-11		HW-5 due
Apr13	26	13	Thu	Query Execution	Ch-15		
Apr18	27	14	Tue	Query Execution (cont.)	Ch-15		HW-6 due
Apr20	28	14	Thu	Transaction Management	Ch-16		Project milestone-3 due
Apr25	29	15	Tue	Transaction Management	Ch-16	HW-7 assigned	
Apr27	30	15	Thu	Final Review			
Apr30							HW-7 due (submission is optional)
May-2							
May2				FINAL EXAM 8:00am-10am Sloan 175			