

CS 638 Fall 2016 Schedule

<u>F16 Schedule</u>	<u>Week</u>	<u>Module</u>	<u>Topic</u>	<u>Readings 7/e</u>	<u>Readings 6/e</u>
08-Sep	1	0	Introduction to the Course		
12-Sep	2	1	Introduction to Database Management	1, 2	1, 2
19-Sep	3	2	Relational Data Model	5	3
		3	Relational Algebra	8 (8.1-8.5)	6 (6.1-6.5)
26-Sep	4	4	Basic SQL	6	4
03-Oct	5	4a	Advanced SQL	7	5
10-Oct	6	5	Conceptual Modeling: ER Model (with Enhanced ER)	3, 4 (4.1-4.5)	7, 8 (8.1-8.5)
17-Oct	7	6	Logical Modeling: ER-to-Relational Mapping	9	9
		7	Design Theory: Normalization	14 (14.1-14.3, 14.5)	15 (15.1-15.3, 15.5)
27-29 Oct	8		Exam 1		
31-Oct	9	8	Transactions and Transaction Support in SQL	20	21
07-Nov	10	9	Database Security & Privacy	30	24
		10	Data Warehouses and Decision Support	29	29
14-Nov	11	11	Distributed Database Systems	23	25
		12	Parallel Database Systems		
21-Nov	12	13	NoSQL Systems	22 & 23	-
		14	Streaming Data Management	-	-
28-Nov	13		Free for review and catchup		
9-10 Dec			Final Exam		