Week	Date	Content	Date	Content	Date	Content	Legend
1	1/8/2018	Course Logistics / Chapter 1 Connolly & Begg	1/10/2018	Chapter 1,2 Connolly and Begg	1/11/2018	Chapter 2 Connolly and Begg	Homework
2	1/15/2018	Holiday	1/17/2018	Chapter 3 Connolly and Begg	1/18/2018	Chapter 3 Connolly and Begg Homework 1 due	Quiz
3	1/22/2018	My SQL installation Murach Appendix A. My SQL introduction Murach Chapter 3	1/24/2018	Quiz 1 (Database background and architecture (Ch 1,2,3 C&B)	1/25/2018	Relational model Connolly & Begg Chapter 4	Project
4	1/29/2018	SQL CREATE basics Connolly & Begg Chapter 7 (7.1-7.3.2); Murach Chapter 11; MySQL data types Murach Chapter 8 ; Homework 2 due (create a MySQL DB)	1/31/2018	SQL SELECT basics, Murach Chapter 3, 4	2/1/2018	Modeling the real world, Connolly and Begg Chapter 12	Holiday
5	2/5/2018	Modeling the real world, Connolly and Begg Chapter 12, 13 ; Homework 3 due (import .csv files and RDB Design)	2/7/2018	UML modeling Connolly and Begg Chapter 13	2/8/2018	UML modeling Connolly and Begg Chapter 13	
6	2/12/2018	Conceptual design (UML) to Relational Model (Connolly & Begg Ch. 16, 17, 18 OR Murach Chapter 10); Project Proposal Due	2/14/2018	Logical database design, Normal form, update anomalies, and functional dependencies (Connolly & Begg Chapter 14.3-14.9);	2/15/2018	Logical database design, Normal form, update anomalies, and functional dependencies (Connolly & Begg Chapter 14.3-14.9);	
7	2/19/2018	Holiday	2/21/2018	Quiz 2 (ER Modeling to SQL table create)	2/22/2018	More review of SQL SELECT, Introduction to JON and SET operations in SQL.	
8	2/26/2018	Finish MySQL set operations and Introduce Relational algebra Chapter 5 Connolly and Begg, RA to SQL; Homework 4 due (SQL Select)	2/28/2018	RA operators: SELECTION, PROJECTION, CARTESIAN PRODUCT, UNION, SET DFFERENCE	3/1/2018	Other operators: JOIN, OUTER JOIN, SEMIJOIN, EQUIJOIN, INTERSECT, Aggregators, Aggregators with GROUP BY, More examples in relational algebra	
9	3/5/2018	SPRING BREAK	3/7/2018	SPRING BREAK	3/8/2018	SPRING BREAK	
10	3/12/2018	Examples converting between RA and SQL, DIVISION representation, Homework 5 (SQL CREATE AND SELECT) due	3/14/2018	Snow day	3/15/2018	Quiz 3 (SQL & RA)	
11	3/19/2018	User session variables, Control definition language, User Defined Procedures and Functions, Murach Chapter 13, 15; Project Progress Report Due	3/21/2018	Triggers, Events, Prepared Statements; Murach Chapter 13, 15; Introduction to embedded SQL	3/22/2018	Embedded SQL Murach Chapter 1, Connolly and Begg Chapter 29; Start of Topic 4: Transactions and ACID, Connolly and Begg Chapter 22.1	
12	3/26/2018	Schedules: Serial Schedules, Recoverability and Serializability, Locking and Dedlock, Connolly and Begg Chapter 22.2	3/28/2018	Timestamping and Database Recovery Connolly and Begg Chapter 22.3; Homework 6 due (MySQL procedure and functions)	3/29/2018	File structure and indexes Appendix F	
13	4/2/2018	Appendix F: Tree Index, hash index, bitmask index; Homework 7 due (Accessing MySQL DB from an application program)	4/4/2018	Introduction to No SQL and the CAP theorem (Topic 5 not on quiz 4)	4/5/2018	Quiz 4 (Transactions, File structures, Indexes)	
14	4/9/2018	Project Presentations	4/11/2018	Project Presentations	4/12/2018	Project Presentations	
15	4/16/2018	Holiday	4/18/2018	Project Presentations; Last day of classes; Project Code and Report Due 4/19			