lessons	weeks	modules	in-class exercises	project phases
1	Tuesday, August 22, 2023	M1: Course Intro, Administration & Structure (Chapter [1] slides 1-19, 26-29)		
2	Thursday, August 24, 2023	M2: MySQL Intro, Basic Database Terminology & Architecture (Chapter [2] slides 1-22)		
3	Tuesday, August 29, 2023	M3: SQL: Select - From - Where - Order By (Chapter [6] slides 1-6, 11-13, 28-41)	chapter 6 quick concepts quiz	
4	Thursday, August 31, 2023	M4: SQL: Aggregation & Group By - Having (Chapter [7] slides 1-7, 25-33) & M5: SQL Data Definitions, Data Types and Domain Constraints (Chapter [6] slides 7-10, 14-20)	explain aggregation (group by-having) queries	
5	Tuesday, September 5, 2023	M6: Entity & Attribute Concepts (Chapter [3] slides 1-17)	evaluate aggregation explanations	
6	Thursday, September 7, 2023	Mini-Exam #1: SQL (Single Table Queries with Where, Aggregation, Group By & Having)		
7	Tuesday, September 12, 2023	M7: GTPE Methodology & Project Overview	chapter 3 quick concepts quiz	Phase 1 Starts
8	Thursday, September 14, 2023	M8: Relationship, Cardinality & Participation Concepts (Chapter [3] slides 18-29) & M9: Calculating the Minimum & Maximum Number of Relationships		
9	Tuesday, September 19, 2023	M10: Enhanced and Advanced ERD Topics (Chapter [3] slides 30-35, Chapter [4] slides 1-29)	chapter 4 quick concepts quiz	
10	Thursday, September 21, 2023	M11: Key & Entity Integrity Constraints (Chapter [5] slides 1-32)	chapter 5 quick concepts quiz	
11	Tuesday, September 26, 2023	M12: Referential Integrity Constraints (Chapter [5] slides 33-43 & Chapter [6] slides 48-52)		
12	Thursday, September 28, 2023	Mini-Exam #2: Entity-Relationship Diagram (ERD) Cardinality Counting		
13	Tuesday, October 3, 2023	M13: Schema Mapping Exercise (Chapter [9] slides 1-11 & 17-29) PART I	chapter 9 quick concepts quiz	Phase 1 Due
14	Thursday, October 5, 2023	M13: Schema Mapping Exercise (Chapter [9] slides 1-11 & 17-29) PART II	explain schema translation problem	Phase 2 Starts
15	Tuesday, October 10, 2023	Holiday - No Classes		
16	Thursday, October 12, 2023	Mini-Exam #3: Key, Entity & Referential Integrity Constraints		
17	Tuesday, October 17, 2023	M14: SQL: Cartesian Products and Inner, Outer & Natural Joins (Chapter [7] slides 19-24)	evaluate schema translation explanations	
18	Thursday, October 19, 2023	M15: SQL: Nested Queries & Set Operations (Chapter [7] slides 8-16) & M16: Calculating the Number of Rows from a Query & Manually Checking Correctness	explain mixed join & nesting query	
19	Tuesday, October 24, 2023	M17: Database Design Guidelines (Chapter [14] slides 1-19)	evaluate mixed join & nesting explanations	
20	Thursday, October 26, 2023	Mini-Exam #4: EERD to Relational Schema Translation		
21	Tuesday, October 31, 2023	M18: Functional Dependencies (Chapter [14] slides 20-26)	chapter 14 quick concepts quiz	Phase 2 Due
22	Thursday, November 2, 2023	M19: Normalization & 1NF, 2NF & 3NF (Chapter [14] slides 27-42)		Phase 3 Starts
23	Tuesday, November 7, 2023	M20: Project Checkpoint - SQL Views, Stored Procedures & Functions (Chapter [7] slides 45-60)	chapter 7 quick concepts quiz	
24	Thursday, November 9, 2023	Mini-Exam #5: SQL (Multi-Table Queries with Various Joins, Nesting & Set Operations)		
25	Tuesday, November 14, 2023	M21: Relational Algebra - Operations & Transformations (Chapter [8] slides 1-46 & 53-57) PART I	chapter 8 quick concepts quiz	
26	Thursday, November 16, 2023	M21: Relational Algebra - Operations & Transformations (Chapter [8] slides 1-46 & 53-57) PART II	explain calculating query result set size	
27	Tuesday, November 21, 2023	M22: File & Data Structures, Indexing & Performance Impacts (Chapters [13 & 14 5th Ed])	evaluate result set size explanations	
28	Thursday, November 23, 2023	Holiday - No Classes		
29	Tuesday, November 28, 2023	M23: Transactions, ACID & BASE, and Related Topics	chapter 1 & 2 quick concepts quiz	
30	Thursday, November 30, 2023	Mini-Exam #6: Database Design, Normalization & Relational Algebra		
31	Tuesday, December 5, 2023	M24: Course Overview & Final Exam Review		Phase 3 Due
32	Thursday, December 7, 2023	Final Exam: Section A @ 2:40pm - 5:30pm		
33	Tuesday, December 12, 2023	Final Exam: Section B @ 2:40pm - 5:30pm		