Relational Database Development

Class Date	Unit	Topic	Reading	Assignment
1/12/2015	Unit 1 - database design	the relational database, design objectives, terminology	DD chapters 1-3	terminology worksheet
1/14/2015	Unit 1 - database design	Conceptual overview, establishing table structures	DD chapters 4,7	
1/19/2015	Unit 1 - database design	Methodology for developing Database Design	10 steps handout	
1/21/2015	Unit 1 - database design	Customizing Visio for ERD's, preliminary table list & determining direct relationships and cardinality		ERD Practice worksheet
1/26/2015	**Lab Day**	**Lab Day**		
1/28/2015	Unit 1 - database design	cardinalities & resolving many to many, designating linking fields		Database Design Assignment part 1
2/2/2015	Unit 1 - database design	Designating linking fields & data Dictionaries	chapters 8-10	Quiz Database Design, all chapters
2/2/2016	Unit 1 - database design	Logical Keys		Database Design Assignment part 2
2/9/2015	**Lab Day**	**Lab Day**		
2/9/2016	**Lab Day**	**Lab Day**		
2/16/2015	unit 2 - Creating and populating DB's	creating databases and tables & inserting records	mySQL chapter 3	
2/16/2016	unit 2 - Creating and populating DB's	Insert, review, delete record, change data	mySQL chapter 6 (partial)	SQL build and populate, quiz chapter 3
2/23/2015	unit 2 - Creating and populating DB's	Insert, review, delete record, change data -continued		
2/23/2016				
3/1/2015	Unit 3 - Single table queries	select, where, order by	mySQL chapter 4	Single Table Queries
3/1/2016	Unit 3 - Single table queries	select, where, order by (cont)		
3/8/2015	Unit 3 - Single table queries	regular expressions, distinct, calculated fields & statistical functions, group by, having, with rollback, subqueries		quiz mySQL chapter 4
3/8/2016				
3/15/2015	**Lab Day**	**Lab Day**		
3/15/2016	**Lab Day**	**Lab Day**		
3/22/2015	**Spring Break**	**Spring Break**	**Spring Break**	**Spring Break**
3/22/2016	**Spring Break**	**Spring Break**	**Spring Break**	**Spring Break**
3/29/2015	unit 4 - multi- table queries	linking tables with on and using & left/right joins, outer join with filter (where)	mySQL chapter 5	
3/29/2016	unit 4 - multi- table queries	linking tables with on and using & left/right joins, outer join with filter (where) - continued		
4/5/2015	unit 4 - multi- table queries	joins review, self-joins, subqueries review & subqueries and in, set operations, any/all		Multi-table queries, quiz chapter 5
4/5/2016	unit 4 - multi- table queries	joins review, self-joins, subqueries review & subqueries and in, set operations, any/all (continued)		Multi-table queries, quiz chapter 5
4/12/2015	unit 4 - multi- table queries	joins review, self-joins, subqueries review & subqueries and in, set operations, any/all (continued)		Multi-table queries, quiz chapter 5
4/12/2016	**Lab Day**	**Lab Day**		
4/19/2015	unit 5 - Updating database structure and data	updating data, altering table structure	mySQL chapter 6	Updating Structure and Data, quiz chapter 6
4/19/2016	unit 5 - Updating database structure and data	data manipulation		
4/26/2015	unit 5 - Updating database structure and data	data manipulation		
4/26/2016	**Lab Day**	**Lab Day**		
5/3/2015	unit 6 - views, indexes, and security	creating and using views & creating and using indexes	mySQL chapter 7	quiz chapter 7
5/3/2016	unit 6 - views, indexes, and security	granting/revoking privileges		Views, Indexes and Security Results Set Key
5/10/2015	**Lab Day**	**Lab Day**		
5/10/2016				