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| **Week No.** | Start Date | Lab | Section | Comments |
| 1 |  7-2-2015 |  No lab |  No section |  |
| 2 |  14-2-2015 |  No lab |  No section |   |
| 3 | 21-2-2015 | **Lab 1*** SQL Installation Steps
 | **Section-1*** SQL commands
* Data types and constraints
* SQL DDL syntax
 |  |
| 4 | 28-2-2015 | **Lab-2*** Practice on DDL
 | **Section-2*** SQL DML 1 (One table only)
 |  |
| 5 | 7-3-2015 | **Lab-3*** Practice on DML 1
 | **Section-3*** SQL DML 2 (Foreign key, types of join)
 |  |
| 6 | 14-3-2015 | **Lab-4*** Practice on DML 2
 | **Section-3*** SQL DML 2 (Relational operators)
 |  |
| 7 | 21-3-2015 | Practical SQL Exam |  **Section-4*** SQL DML 3 (Aggregations and Nested Select)
 |  |
| 8 | 28-3-2015 |  |  |  Midterm |
| 9 | 4-4-2015 | **Lab-5*** Practice on DML 3
 | * Open questions in SQL
 | * Announce about project task-1 in labs
 |
| 10 | 11-4-2015 | **Lab-8*** Introduction to C#
 |   Sham El Neseem Vacation |  |
| 11 | 18-4-2015 | **Lab-9*** Accessing Data in C#
 |  **Sections 5 and 6*** ERD (Notations)
* ERD Mapping to Relational Model
 | * Students deliver project task-1 in labs
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| 12 | 25-4-2015 | **Lab-6 & 7*** Conceptual model on Power Designer
* ERD mapping to relational model on Power Designer
 |  **Sections 5 and 6*** ERD Continued
 | * Students deliver project task-2 in labs (without using power designer)
 |
| 13 | 2-5-2015 | * Discuss project task-3
 |  **Section-7*** Relational algebra ( Projection, Selection, Union, Intersection, Set difference ,Renaming ,Cartesian product, Join, Natural Join, Division, Grouping)
 |  |
| 14 | 9-5-2015 | * Give relational algebra quiz to students in labs
 |  **Section-8*** Normalization
 | Students deliver ERD assignment in labs (using power designer) |

Database 1

Lab Plan – Spring 2015