

# FIRST DAY ORIENTATION to the COURSE

Database Administration  
BS Information Technology



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FB, iMessage, email

Consultation Periods:

TH 12:30 to 2:30 (By appointment)

# 5 Modules

		Weeks
1	Improving Database Reliability, Data and Transactional Integrity	2-4
2	Securing Databases	5-6
3	Optimizing Queries	7-8
4	Data Migration	9-10
5	Design of Data Warehouses	11

Final Evaluation Period:

**WEEK 12-14**

# Only ONE MAJOR PROJECT

## SAN-DES PROJECT Database Implementation

1. Improved DB with Transactional and Data Integrity
2. Security-Considered DB Design
3. Migration of Data from Existing Data Sources (Excel)
4. Design and Implementation of Data Warehouse for Reporting
5. Use of Optimized SQL for Generating Reports

Submission and Public Presentation

# August 15, 2016

Only 4  
EXAMS

		% in Grade	Date
1	Data Integration and Migration	10	August 1
2	Database Design	10	August 3
3	Optimize SQL Portfolio	10	August 8
4	Design and Summary Database	10	August 10

# Summary of Grading System

	Exam Percentage	Project Percentage
Improved DB with Transactional and Data Integrity	10	17
Security-Considered DB Design		17
Migration of Data from Existing Data Sources (Excel)	10	12
Design and Implementation of Data Warehouse for Reporting	10	12
Use of Optimized SQL for Generating Reports	10	12

# Software Needed

## Pentaho Data Integration Tool

<http://community.pentaho.com/projects/data-integration/>

## MySQL Database

<https://dev.mysql.com/downloads/mysql/>

## QlikSense Desktop

<http://www.qlik.com/try-or-buy/d>

