Schedule

Week 1 - 9/2/15

Introduction to this Course

Introduction to Databases (within the context of Information Systems)

Week 2 - 9/9/15

Data Processing and Operations

Database Management Software (DBMS)

Week 3 - 9/16/15

Data Analysis I: Basic Single-table SQL

> `SELECT`,`FROM`,`WHERE`,`ORDER BY`,`LIMIT` *clauses, as well as string and date functions*

Data Analysis II: Advanced Single-table SQL

> `GROUP BY`,`HAVING` *clauses, as well as aggregate functions*

Week 4 - 9/23/15

Data Analysis III: Multi-table SQL

> `JOIN` *and* `UNION` *clauses*

Relational Databases

Week 5 - 9/30/15

Entity and Relationship Identification

Entity Relationship Diagramming (ERDs)

Week 6 - 10/7/15

Midterm Project Pitches

Project, SQL, and ERD Support

Week 7 - 10/14/15

Midterm Exam

Week 8 - 10/21/15

Data Inputs: Validation, Integrity, and Forms

Week 9 - 10/28/15

Data Outputs: Visualization and Reporting

Week 10 - 11/4/15

Normalization I

Week 11 - 11/11/15

Normalization II

Week 12 - 11/18/15

Process Automation

Week 13 - 11/25/15

No Class - Thanksgiving

Week 14 - 12/2/15

Project Support

Week 15 - 12/9/15

Project Final Presentations

12/?/15

Final Exam

Refer to https://github.com/gwu-business/istm-4121/issues/10 (https://github.com/gwu-business/istm-4121/issues/10) for info about the final exam schedule.