

DATX 5801 - Data Management

Fall 2026 Syllabus, Section 02, CRN 41854,

Credit hours: 3

Instructor

Todd Jones

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Public Instructor Information

Instructor Title: Senior Lecturer

Instructor Professional Qualifications: MCIS

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Course Description

5801. Data Management. This course covers the basic concepts of database systems and emphasizes the real-world database applications relevant to the management of data in an organization environment. The topics include (not limited to) database environment, database development, relational database management systems, SQL/NoSQL data management language, data normalization, data warehousing, and internet database environment. Credit will not be given for both DATX 5801 and CSIS 3722. Prereq.: Junior standing or higher and GPA of 2.5 or higher. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Guide to SQL	Shellman, Mark / Pratt, Philip J. / Last, Mary Z.	9780357361689

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Tentative Course Schedule

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24		Introduction	
8/31	Chapter 1	Databases and SQL Introduction	
9/7	Chapter 2	Database Design Fundamentals	Response to "What is Data?"
9/14	Chapter 2	Database Design Fundamentals	Storing Data
9/21	Chapter 3	Creating Tables	Data Loaded into SQL Developer
9/28	Chapter 3 + 4	Viewing Table Data, Inserting New Data	
10/5	Chapter 4	Single Table Queries	Chapter 4 Book Work
10/12	Chapter 4	More on Single Table Queries	Review for Exam
10/19	Review	Review	Exam 1 Chapters 1 - 4
10/26	Chapter 5	MultiTable Queries	Chapter 5 Bookwork
11/2	Chapter 5	Nesting Queries	Nesting Queries
11/9	Chapter 5 + 6	Joins	Joins
11/16	Chapter 7	Updating, Deleting, Altering Data	Advanced Joins
11/23	Chapter 8	Transactions, Database Administration	Review
11/30	Chapter 8	Functions, Procedures and Triggers, PLSQL	Exam 2 Chapters 5 - 8
12/7	Finals	Finals	Finals

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.