



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Microsoft SQL Server and Database Administration
Course Number: CPD224

Required Materials

Textbook(s): Murach’s SQL Server 2019 for Developers, 1st Edition (ISBN: 9781943872589). Note: This ISBN corresponds to the e-book and is what is available in the bookstore. However, if you prefer the printed copy, it is available in multiple locations for purchase, such as on Amazon.

Required Readings: None

Additional Materials: Microsoft SQL Server 2019 (See Class Policies for more information)

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Topic: Obtaining SQL Server 2019 and Installing Sample Databases <ul style="list-style-type: none"> • Reading Assignment: Items in Materials folder • Assigned: Assignment 1
Week 2	Topic: Tables and Data types <ul style="list-style-type: none"> • Reading Assignment: Items in Materials folder • Assigned: Assignment 2
Week 3	Topic: Creating Databases <ul style="list-style-type: none"> • Reading Assignment: Chapter 11 & Chapter 12, Items in Materials folder • Assigned: Assignment 3
Week 4	Topic: Backup and Restore <ul style="list-style-type: none"> • Reading Assignment: Items in Materials folder • Assigned: Assignment 4, Quiz 1
Week 5	Topic: Scripts <ul style="list-style-type: none"> • Reading Assignment: Chapter 14, Items in Materials folder • Assigned: Assignment 5
Week 6	Topic: Stored Procedures, Functions, & Triggers <ul style="list-style-type: none"> • Reading Assignment: Chapter 15, Items in Materials folder • Assigned: Assignment 6

Week	Chapter/Topic/Lab
Week 7	Topic: Index Creation & Maintenance <ul style="list-style-type: none"> • Reading Assignment: Items in Materials Folder • Assigned: Assignment 7
Week 8	Midterm <ul style="list-style-type: none"> • Reading Assignment: None • Assigned: Midterm
Week 9	Topic: Importing and Exporting Data <ul style="list-style-type: none"> • Reading Assignment: Items in Materials folder • Assigned: Assignment 8
Week 10	Topic: Database Engine Tuning Advisor <ul style="list-style-type: none"> • Reading Assignment: Items in Materials folder • Assigned: Assignment 9, Quiz 2
Week 11	Topic: Database Security <ul style="list-style-type: none"> • Reading Assignment: Chapter 17, Items in Materials folder • Assigned: Assignment 10
Week 12	Topic: XML Data <ul style="list-style-type: none"> • Reading Assignment: Chapter 18, Items in Materials folder • Assigned: Assignment 11
Week 13	Topic: BLOB Data <ul style="list-style-type: none"> • Reading Assignment: Chapter 19, Items in Materials folder • Assigned: Quiz 3
Week 14	Topic: SQL Server Agent <ul style="list-style-type: none"> • Reading Assignment: Items in Materials folder • Assigned: Assignment 12
Week 15	Topic: SQL Server Integration Services <ul style="list-style-type: none"> • Reading Assignment: Items in Materials folder • Assigned: SSIS Discussion Forum
Week 16	Final Exam