COURSE SYLLABUS

SQL Certification (Self-Paced)

Advance your SQL abilities with this self-paced course. Explore querying, joining, and aggregating data across multiple tables, and gain practical experience working with real-world databases. Learn to write complex queries to enhance your data analysis, all without any prior programming knowledge.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://sdfm.graduateschool.edu/certificates/sql-certification-self-paced



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Course Outline

This package includes these courses

SQL Bootcamp (Self-Paced) (18 Hours)

SQL Bootcamp (Self-Paced)

Learn how to extract, filter, and manipulate data using SQL. This course covers PostgreSQL fundamentals, database querying, table joins, and advanced techniques for handling large datasets.

- Write SQL queries to retrieve, filter, and sort data efficiently.
- Use joins to combine information from multiple tables and establish relationships.
- Apply aggregate functions like SUM, COUNT, AVG, and GROUP BY to summarize data.
- Work with subqueries, conditional logic (CASE statements), and advanced string functions.
- Optimize queries using indexes, data type conversions, and best practices.
- Explore views and user-defined functions to streamline database management.