COURSE SYLLABUS

SQL Certification Online

Develop skills in SQL as you explore querying, joining, aggregating, and filtering data across multiple tables. You'll gain hands-on experience working with real-world databases and learn how to write complex queries to support data analysis tasks. No prior programming background is required.

> 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-program



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Course Outline

This package includes these courses

SQL Bootcamp (18 Hours)

SQL Bootcamp

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.

- Explore information stored in a database (tables, columns, rows, etc.) using the graphical interface of DBeaver, a popular free database app.
- Write SQL queries to retrieve data from tables in the database
- Combine information from multiple tables using JOIN statements
- Filter data, group it, and sort it to extract the specific information you need
- Master advanced techniques, including subqueries, string functions, and IF-Else logic with CASE
- Learn how to use views and functions with parameters instead of directly querying tables