CSCI 23200 Relational Databases and SQL

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Office Hours: By appointment.

Course Description:
This course is an introduction to databases for quantitative biology. It is intended for students in the Quantitative Biology program and computer science minors. It does not offer credit to the computer science major. SQL is a language in which to ask questions of a database. For large, pre-existing databases without customized interfaces (including many under development by biologists here at Hunter), SQL is either the standard access language or a more flexible and incisive alternative. The primary objective of this course is to enable you, working from the command line of an SQL interpreter, to extract and reformulate data from large relational databases. Your goal is to produce readable, useful output from large collections of data. Although we will often work with biological data, the fundamental principles you will learn can be applied in any database environment that supports SQL.

Grading:
Participation: 10%
Midterm: 25%
Final: 25%
Homework: 20%
Project: 20%

Hunter College Official Policies:
Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The college is committed to enforcing the CUNY policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

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