CMPT 454 - D100 Database Systems II

Instructor(s): Ke Wang

SFU Burnaby

Calendar Objective/Description:
Database Systems II

Instructor's Objectives:
To provide an in-depth coverage of the systems aspects of modern database systems. This course continues with the first database course, CMPT 354, by focusing on (1) physical implementation of DBMS (data storage, index, and query optimization and processing) and (2) transaction management and (3) crash recovery

Prerequisites:
see go.sfu.ca

Topics:
- Data storage
- Index
- Query optimization
- Transaction management, Concurrency control, Crash Recovery

Grading:
Assignment (70%) and Final (30%)

Required Books:

Academic Honesty Statement:
Academic honesty plays a key role in our efforts to maintain a high standard of academic excellence and integrity. Students are advised that ALL acts of intellectual dishonesty will be handled in accordance with the SFU Academic Honesty and Student Conduct Policies (http://www.sfu.ca/policies/gazette/student.html).