CMPT 454 - D100 Database Systems II

Instructor(s): Ouldooz Baghban Karimi
SFU Surrey

Calendar Objective/Description:
Database Systems II

Instructor's Objectives:
This course is a systems-oriented course on the design and implementation of relational database systems. It covers core topics on complexities involved in building and operation of these systems.

Students must have access to a computer with stable internet connection. Some components of the course require real-time participation during the scheduled lecture and/or exam times.

Prerequisites:
see go.sfu.ca

Topics:
- Storage
- Indexing
- Query processing
- Transaction processing
- Logging and recovery

Grading:
Assignments (30%) Quizzes & ISs (15%) Midterm (20%) Final (35%)

Students must attain an overall passing grade on the weighted average of exams in the course in order to obtain a clear pass (C- or better).

Required Books:

Reference Books:
Transaction Processing: Concepts and Techniques, Jim Gray, Andreas Reuter, 9781558601901

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).