CMPT 740 - G100 Database Systems

**Instructor(s):** Tianzheng Wang

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**Calendar Objective/Description:**

Database Systems

**Instructor's Objectives:**

This course covers the concepts and current practices concerning the development of data-intensive systems with a focus on relational database systems and related areas. The course begins with a review of basic database systems internals, including storage engine, query execution and optimization, transaction processing. The course then progresses to cover more recent advances in the area of database systems. Basic understanding of database systems is assumed (e.g., obtained through an introductory course on database systems).

**Prerequisites:**

see go.sfu.ca

**Grading:**

To be discussed in the first class.

**Reference Books:**

- Principles of Transaction Processing For The Systems Professional, 2nd Edition, Philip A. Bernstein and Eric Newcomer, Morgan Kaufmann, 9781558606234

**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 ).