Instructor: Dr. Cory Butz  
LB 221, 306 585-4201, cory.butz@uregina.ca

Lectures: TR 8:30am - 9:45am by zoom conference call

Office Hours: Zoom by appointment

Prerequisite: An undergraduate database course


Marking Scheme:  
- Assignment 1 20%
- Assignment 2 25%
- Course Project 55%
- Instructor Discretion +/- 5%

The project (55%) consists of a proposal (5%), and a project report (30%), which includes implementation of your project (20%). The proposal can be a maximum of 2 pages; it should describe what you plan to study, the main issues involved in your topic, and how it will be implemented and on which software package. The project report can be a maximum of 20 pages in total. You can work in groups of up to 4, but the quality of the project must increase accordingly.
**Important Date:** Project Due Date is December 22nd, 2020.

**Notes:**
1. A grade of zero for late assignments and/or project.
2. Copying assignments will automatically result in a mark of zero and may also result in further disciplinary action including expulsion from the class.
3. Problems regarding class marks must be addressed formally.

**Topics to be Covered:**
1. Relational Query Languages
2. Data Dependencies
3. The Membership Problem
4. Database Schema Design
5. Acyclic Database Schemas
6. Distributed Databases
7. Probabilistic Databases
8. More Data Dependencies
9. Towards Object-oriented Databases