

Welcome to ENSF 608 Fall 2023

September 6, 2023
Syed Tauhid Ullah
Shah

Course Learning Outcomes

- Define database system terminology and fundamental concepts
- Differentiate between various data models
- Implement database design and modelling best practices
- Write database queries in Structured Query Language (SQL)
- Demonstrate database design methodologies and techniques in a practical application

Introductions

- Syed Tauhid Ullah Shah, Instructor
- 2nd year PhD in Software Engineering
- Industry work in Recommender System, Alibaba group
- Research focus on Requirements Engineering and NLP

Teaching Assistants

- Shirin Yamani yamani.shirin@ucalgary.ca
- Sahar Hajjar Zadeh sahar.hajjarzadeh@ucalgary.ca

Course Format

- Synchronous lectures
- Synchronous laboratory sessions with active participation
- Keep up with the course contents
- View all the contents before contacting TAs or instructor with questions
- Responsible for your own learning

Education is not the filling of a pail, but the lighting of a fire.

- William Butler Yeats

Assessment Breakdown

- 50% Assignments
- 20% Quizzes
- 30% Project
- No midterm or final exam
- Must pass course project to pass the course

Assessment Guidelines

- Quizzes will be held online through D2L
- Timed, but accessible within a 2-hour period
- Quizzes are open-book, open-notes
- No communication with classmates
- Read submission instructions carefully for all assessments

Communication Methods

- Through D2L and associated email account (ucalgary.ca)
- Professional emails expected
 - Include your full name, ID number, and course
- 48 hours for a response (business days)
- Post questions to D2L boards
- Office hours by appointment

D2L Discussion Boards

- Two discussion boards
 - Content Discussions / Q&A
 - Community Building
- Feel free to answer each others' questions
- Share interesting topics related to the course
- Moderated by instructor and TAs
- Professionalism expected

Academic Integrity

- Use a professional tone when commenting or engaging
- Assessments should be done independently unless otherwise specified
- Peer assistance vs. academic misconduct
- Engineers are held to a code of ethics and professionalism
- Resources posted to D2L
- <https://www.ucalgary.ca/student-services/student-success/learning/academic-integrity>

Success for Active Learning

- Follow along as the instructor solves examples
- Read all instructions carefully
- Follow software development best practices
 - Plan out your solution first
 - Engage with the instructor/TAs for help and suggestions
 - Look at details of any error messages
 - Collaborate, but don't copy
- Don't wait to ask for help!

Group Activity

- In groups of 3 or 4, answer the following questions:
 - In what ways do you interact with data everyday? List as many as you can think of.
 - What ethical and privacy issues are related to that data?
- Choose one person to be your group spokesperson and be ready to share.

This week:

- Please introduce yourself and answer the D2L discussion board questions
- Lectures will be posted shortly