

# Welcome to ENSF 608 Fall 2021

September 8, 2021  
Dr. Emily Marasco

# Recording Notice

Classes may be recorded. Recordings will only be uploaded to University approved platforms such as D2L, will only be for use by students and staff associated with the course, and will not be disseminated to a broader audience by the University.

If a student turns on their microphone or camera, or uses the public chat feature, this constitutes consent for the student's video image or sound audio to be uploaded with a recording. If a student wishes to ensure that their questions/faces/voices are not recorded in the video, they should instead use the private chat feature to ask questions.

# 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

- Dr. Emily Marasco, Instructor
- Background in computer engineering
- Industry work in urban noise control, embedded systems, robotics
- Research focus on innovation techniques for engineering education



# Teaching Assistants

- Maya Al-Akkad [maya.alakkad@ucalgary.ca](mailto:maya.alakkad@ucalgary.ca)
- Sudarsini Tekkam Gnanasekar [sudarsini.tekkamgnan@ucalgary.ca](mailto:sudarsini.tekkamgnan@ucalgary.ca)

# In-Person Classroom Expectations

- UCalgary COVID-19 regulations must be followed
  - Masks are required unless 2 metres apart
  - Unmasked students will be asked to leave
  - Please raise your hand to ask a question and a TA will come to you
  - Only water is permitted, masks must remain on between sips
- Technology use should be related to class activities
  - If joining the Zoom link to use the chat, please mute your mic and speakers
- Avoid distracting others

# Zoom Classroom Expectations

- Links on D2L, be sure to authenticate your UCalgary Zoom account
- Camera and microphone may be muted while instructor is speaking
- Raise “hand” or type questions in the chat (may submit anonymously via private chat)
- Please keep the chat on topic
- Camera and microphone should be on during any classroom activities
- Engage using the provided tools (Mentimeter, polls, etc.)
- May be removed if not engaged in activities
- Distractions and disconnections happen!

# Recording Policy

- Synchronous, active learning will not be recorded
- May record short content lessons: e.g. examples or answers to pre-submitted questions

## Department Recording Notice:

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# Course Format

- Asynchronous video lectures
- Synchronous laboratory sessions with active participation
- Keep up with videos
- View all content videos 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 36-hour period
- May need to upload handwritten work
- 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 in Online Learning

- Online platforms promote different behaviours than a classroom
- 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>

# Tips for Online Learning

- Schedule regular video viewing and keep up with content
  - Take screen breaks
  - Keep notes, pause when necessary, organize note-taking space
  - Take five minutes to prepare before each video, review how the last video ended
  - Summarize the video/session's main topics
  - Video lectures are more efficient
  - Don't try to memorize every word!
  - View all content before contacting TAs or instructor with questions
- Avoid distractions- use devices for good!
- Make synchronous and asynchronous attendance an intentional act
- Take responsibility for your own learning
- Reach out if you are struggling – learning resources posted to D2L

# 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!



# Coping with COVID

- Transitory semester!
- Can experience course fully remote if ill, isolating, etc.
- Mental health resources posted to D2L
- Feel free to reach out to me!
- <https://live-ucalgary.ucalgary.ca/current-students/2021-faq>

# 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 relate 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
- Watch Week 1 videos before next lab session