

## Commerce 3KD3 Database Design and Management, Fall 2020 Information Systems Area

### COURSE OBJECTIVE

This course is designed to introduce the basic concepts of database and data warehouse. Data modeling and database access through SQL are emphasized. Current trends in data warehouse and big data will be discussed. Students will learn how to design database through individual assignments, and gain first-hand experience through developing a database for real-world e-commerce application in a team project. Basic knowledge of information systems and computer programming is required for taking this course.

### INSTRUCTOR AND CONTACT INFORMATION

<b>Name:</b> Yufei Yuan	<b>E-Mail:</b> <a href="mailto:yuanyuf@mcmaster.ca">yuanyuf@mcmaster.ca</a>
<b>Class Times:</b> C01 – Thursdays 11:30am-12:50pm C02 – Wednesdays 11:30am-12:50pm C03 – Fridays 2:30pm-3:50pm	
<b>Virtual Office Hours:</b> TBD	

### COURSE DELIVERY

LEARNING ACTIVITIES	DELIVERY	DESCRIPTION	TOOL(S)
<b>Live Lectures</b>	Synch	1.5 hr. live session; opportunity to elaborate on content, present challenges, engage discussion	<b>WebEX or Zoom</b> Every other week during virtual class time
<b>Self-Study</b>	Asynch	Reading lecture note posted in Avenue and specified textbook chapters in each week, tied to weekly quiz	<b>Avenue to Learn</b> At your own time over the week
<b>Virtual Tutorials</b>	Synch	1.5 hr. live sessions led by TA or instructor, discuss and Q&A on assignments, project, and software use.	<b>WebEX or Zoom</b> Opposite weeks to Virtual Class
<b>Group Discussions</b>	Both Synch and Asynch	Synch: Breakout rooms during lecture Asynch: Microsoft Teams private groups	Synch: <b>Zoom or WebEx</b> Asynch: <b>Microsoft Teams</b>

EVALUATIONS	WEIGHT	DESCRIPTION
<b>Participation</b>	10%	Attendance and engagement in weekly virtual class and virtual tutorials;
<b>Quizzes</b>	20%	Completion of weekly quizzes in Avenue. 10X2% each
<b>Individual Assignment</b>	45%	Submission of 3 assignments to Avenue by the due date and time; 3X15% each
<b>Group Assignment</b>	25%	Submission of team project proposal (5%), PowerPoint presentation (15%), and peer evaluation (5%) to Avenue by the due date and time