SYSC 5703 - Integrated Database and Cloud Systems

The Carleton central outline of this course is wrong. The correct outline is given below:

"Review of database concepts: Conceptual database design, relational and Object-oriented data models; Application of SQL, recursive queries, relational algebra, and data integration; Normalization theory, deductive approach to database, and query processing; Object-oriented database; OLAP, Data Warehousing, and Data Mining; Cloud Computing, Hadoop, and MapReduce."

The course is NOT the typical database course. It is about data, data analysis, data integration, and data mining. The course discusses the different types of data (structured, semi-structured, and unstructured), mining the data, and application of different tools – relational, object, cloud storage, machine learning, and knowledge graph (KG).   The KG tool is a new addition to the course for the current academic year (2023/24).