COMP-3150. Database Management Systems
Learning Outcomes
Last Updated: June 11, 2021
S210611-5.5.8

Learning Outcomes At the end of the course, the successful student will know and be able to:	Characteristics of a University of Windsor Graduate The University of Windsor graduate will have the ability to demonstrate:
Explain effectively the underlying concepts of database technologies and architecture. Apply theory of normalization to databases. **(Also applies to E.)** Implement theoretical concepts in relational database systems in industry.	**A.** the acquisition, application and integration of knowledge
Assess an understanding of relational algebra and relational calculus. Translate English queries into SQL queries against real databases. Design and assess file structures for database applications. **(Also applies to C.)**	**B.** research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)
Apply integrity constraints on a database using a state-of-art RDBMS. **(Also applies to E.)**	**C.** critical thinking and problem-solving skills
	D. literacy and numeracy skills
	E. responsible behaviour to self, others and society
Illustrate DBMS Concepts.	**F.** interpersonal and communications skills
	G. teamwork, and personal and group leadership skills
Choose appropriate translation of English queries into SQL queries against real databases.	**H.** creativity and aesthetic appreciation
	I. the ability and desire for continuous learning