

OFFICIAL UNDERGRADUATE CROSS-LISTED OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: COMP 431		Number of Credits: 3 Course credit policy (105)	
Course Full Title: Data Mining Course Short Title: <i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>			
Faculty: Faculty of Science		Department (or program if no department): Mathematics & Statistics	
Official Course Outline: This is a cross-listed course. Please refer to STAT 431 for the official course outline.			
Calendar Description: Data mining provides the techniques of extracting useful information and hidden patterns from a massive amount of data. Main topics include data exploration, classification, decision trees, Bayesian classifiers, frequent item sets, association rules, clustering, K-means, EM algorithm, and anomaly detection. Students will complete a group project based on a large real-life data set. Note: This course is offered as STAT 431 and COMP 431. Students may take only one of these for credit.			
Prerequisites (or NONE):		COMP 230 (formerly CIS 230), STAT 271, and STAT 331/COMP 331.	
Corequisites (if applicable, or NONE):			
Pre/corequisites (if applicable, or NONE):			
Antirequisite Courses <i>(Cannot be taken for additional credit.)</i> Former course code/number: MATH 431 Cross-listed with: STAT 431 Dual-listed with: Equivalent course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>		Transfer Credit Transfer credit already exists: (See bctransferguide.ca) <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Submit outline for (re)articulation: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i>	
Department / Program Head or Director: Ian Affleck		Date approved: November 19 2018	
Faculty Council approval		Date approved: January 11, 2019	
Dean/Associate VP:		Date approved: January 11, 2019	
Campus-Wide Consultation (CWC)		Date of posting: February 22, 2019	
Undergraduate Education Committee (UEC) approval		Date of meeting: March 1, 2019	