**CGS4315 - Intelligent Systems Design**

**CGS 4315** Intelligent Systems Design (3 semester credit hours) This course covers essential theorems from the field of mathematical statistics to support the analysis and design of machine learning and artificial neural network algorithms. Theorems will be used to analyze and design objective functions for unsupervised, supervised, and reinforcement learning algorithms and constraint satisfaction algorithms. Prerequisite: **CGS 4313** or instructor consent required. (Same as **CS 4315**) (3-0) T