

CGS4314 - Intelligent Systems Analysis

[CGS 4314](#) Intelligent Systems Analysis (3 semester credit hours) This course covers essential convex and non-convex mathematical optimization theorems for the analysis and design of machine learning and artificial neural network algorithms. Theorems will be used to analyze and design both deterministic and stochastic optimization methods for the analysis and design of unsupervised, supervised, and reinforcement learning algorithms and constraint satisfaction. Prerequisite: [CGS 4313](#) or consent of instructor. (Same as [CS 4314](#)) (3-0) T