

# DSC 305 : Machine Learning

This course aims at providing mathematical explanations of the machine learning models discussed in DSC101 and DSC201. Topics include probability, probabilistic models, statistical concepts related to machine learning, and analysis of some of the popular machine learning models with the help of probability and statistics. Projects will reflect real world challenges and will aim at discovering how machine learning models work.

**Credits** 3

**Prerequisites**

DSC 105, DSC 205 or CSC 265