AIDA 1420: Machine Learning

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: 0
OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
   AIDA 1410 - Algorithms and Data Structures (Number of Years Valid: 5)

Corequisites: None
MnTC Goals: None

This course is an introduction to machine learning. Topics include classification (decision trees and support vector machines), regression, clustering (k-means and hierarchical), and an overview of neural networks. Students must have a PC or Mac computer running C, Python, NumPy, matplotlib, scikit-learn, and be able to install additional libraries as needed.

B. COURSE EFFECTIVE DATES: 04/30/2024 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted