

## **Justification for the “COP 4770 Introduction to Data Mining” Course Change**

The following three changes are recommended for careful consideration in proposing modifications to the CAP4770 Introduction to Data Mining course:

- Firstly, adding a new statistics prerequisite is proposed to enhance students' preparedness in statistical concepts, thereby fortifying their foundation for comprehending data mining principles.
- Secondly, acknowledging the relevance of the course to Data Science majors, it is suggested that COP 3465, a core BS-DS course in Data Structures, be accepted as equivalent to COP 3530, streamlining the course requirements for students pursuing a Data Science major.
- Lastly, a reassessment of the current corequisite, COP 4710 Database Management, is advocated, with the proposal to remove its status as an essential corequisite, aligning the course structure with the evolving needs and curriculum of the students.

These proposed changes are intended to optimize the course's alignment with contemporary educational objectives and to facilitate a more coherent and efficient learning experience for students.