**School of Computer Science and Mathematics**

**College of Health, Science, and Technology**

**University of Central Missouri**

**Course Syllabus Spring 2018**

**CS 4630-Data Mining**

**Course:** CS 4630 **Instructor:** Dr. Mahmoud Yousef **Office:** WCM 217 & MIC D159 **Phone Number:** 543-8892

**Office Hours:** 9:00 - 11:00 MW (WCM 217), 11:15 – 12:15 T (MIC 159D) and by appointment

**Email:** [yousef@ucmo.edu](mailto:yousef@ucmo.edu)

**Meeting Time:** 8:30 -11:10 T (B206) **Delivery Format:** Face to Face

**Textbook:**  Data Mining: Concepts and Techniques (3rd Edition) Jiawei Han, Micheline Kambere, and Jian Pei, Elsevier 2012.

**Catalog Description:** This course will cover processes involved in knowledge discovery, including data selection, cleaning, coding, using statistical and machine learning techniques, and visualization of generated structures.

**Objectives and Desired Student Competencies:** Upon completion of this course, the student should be able to:

1. Understand the strengths and limitations of popular data mining techniques
2. Identify promising real-world applications of data mining and perform data analysis.
3. Understand the trends in data mining research and work on a research project

**Prerequisite:** CS 2300 or consent of instructor.

**Tests (200 pts.):**There will be two tests, a midterm, and a comprehensive final. The midterm is worth 100 points, and it will be on March 13, 2018.  The final exam is worth 100 points, and it will be held on Tuesday, May 1, 2018. Make-up tests will be given only for absences determined by the instructor to be acceptable. Scheduling of the make-up test is the student’s responsibility.

**Quizzes (100 pts.):** Quizzes will be given throughout the semester. All of the quizzes will be worth 100 points. **NO MAKE UP FOR QUIZZES.**

**Data Mining Project (50 pts):** A group project will be assigned during the semester and it will be worth 50 pts. Details of the project will be given during the semester.

**Grading Scale:** The grading scale is as follows:

A: 90%-100%, B: 80%-89.9%, C: 70%-79.9%, D: 60%-69.9%, F: 0%-59.9%

***Accessibility***

Students with documented disabilities who are seeking academic accommodations should contact the Office of Accessibility Services, Union 220, (V)(TTY) 660-543-4421.

**Academic Dishonesty Policy:** <http://www.ucmo.edu/student/documents/honest.pdf>