CSC 6220: Data Mining

Course Syllabus

Instructor:

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Office Hours: Monday and Wednesday, 10:30-12:00

Class Location and Time:

TBD Bruner Hall
Monday and Wednesday 9:05-10:25

Introduction

This course consists of three main components: (1) Content knowledge building; (2) student research and presentations; and (3) hands-on exploration with data mining software tools. The content knowledge building portion of the course will feature instructor-led discussions on main topics in data mining. The second component involves the research relevant to an individual or team-based project and presentations to the class. The third part will involve the application of a data mining solution and presentation of the findings. The primary objective of the course is to gain an understanding of the current research problems in data mining and explore potential contributions in solving these problems.

Textbooks

J. Han, M. Kamber and J. Pei, *Data Mining: Concepts and Techniques*, Third Edition.

Schedule

See the class schedule for the list of class chapters/topics, the semester schedule, due dates for project deliverables and the exam dates for the class.

Grading

The grade distribution for this class is shown below.

Homework Assignments (3)	15%
Project: Project Proposal Title and Abstract	5%
Exam 1	10%
Project: Introduction, Related Work, and Data Collection	20%
Exam 2	10%
Project: Feature Extraction, Data Preparation, and Experiment Setup	15%
Exam 3	10%
Project: Experimental Results and Conclusions – Final Paper	15%

EACH of the "Project" items above involves the submission of a short-paper (which in the end is a complete, conference-type paper) and a presentation to the class.

Exams

Material covered on the exams will be based on the assigned chapters and class lectures. All exams are mandatory. There are **NO** make-up exams after the scheduled times. If a student notifies the instructor IN ADVANCE, then an early make-up exam *MAY* be arranged at the discretion of the instructor. The instructor's decision is final.

Miscellaneous

The class syllabus, schedule, and other information will be available on the iLearn website as it is developed. You are responsible for checking the iLearn website regularly for information such as lecture notes and due date changes.