

CS 795/895: Topics in data Mining and Security
Summer 2009
Course Outline

Instructor: Ravi Mukkamala
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Lecture: Tuesday, Thursday 1:15-3:45 PM (ECSB 2120)
Office Hours: Tuesday: 4:00-5:00 PM (E&CS 3317)
Prerequisites: CS 555 & CS 471
Textbook: Ian H. Witten and Eibe Frank, [Data Mining: Practical Machine Learning Tools and Techniques with Java Implementations](#), Morgan Kaufmann Publishers, ISBN:0120884070

Attendance: Attendance at classes is not mandatory, but students are responsible for all material covered and announcements made in class. Consequently, if you are going to miss class, be sure to get notes, handouts, etc., from another class member. Class notes and other information will be available at the following WebSite:
<http://www.cs.odu.edu/~mukka>

Cheating: Everything turned in for grading in this course must be your own work. The instructor reserves the right to question a student orally or in writing and to use his evaluation of the student's understanding of the assignment and of the submitted solution as evidence of cheating. Violations will be reported to the Honor Council for consideration for punitive action. However, it is entirely appropriate seek and give assistance on procedural matters (such as how to send e-mail, how to run the debugger, how to send files from a home PC to a UNIX workstations). If there is any question on whether a particular behavior is appropriate, the student is encouraged to seek guidance from the instructor.

Grading:

Midterm Exam	100	
Course Project	150	
Homework	150	

Tentative Schedule

Date	Topic	Assignment
May 11	Lecture 1: Introduction Ch. 1-3	HW#1
May 13	Lecture 2: Algorithms: Ch. 4	
May 18	Lecture 3: Credibility evaluation: Ch. 5	HW#2
May 20	Lecture 4: Implementations and transformations: Ch. 6-7	
May 25	Memorial Day Holiday	
May 27	Lecture 5: Extensions and applications: Ch. 8	HW #3
June 1	Lecture 6: Security applications-1	
June 3	Lecture 7: Security applications-2	HW #4
June 6	Mid-term Exam	
June 8	Project 1	
June 10	Project 2	
June 15	Project 3 (Discussion)	
June 17	Project 4 (Discussion)	
June 22	Project 5 (Discussion)	
June 24	Project presentation	