

CSI7162/COMP6604
Advanced Topics in Computer Applications: Advanced Data and
Text Mining
January 2006
Teacher: Stan Matwin

This seminar course will cover some of the advanced topic in modern data mining. Topics will include

Innovative neural networks
machine learning for information extraction
selected bioinformatics applications of data mining and text mining
applications of Machine Learning in Software Engineering
privacy-oriented data minin
classification with imbalanced data
other topics...

Prerequisite: CSI5387 (COMP5706)(could be co-requisite with permission of the instructor). Students will participate in talks on the above topics, as well as prepare their own presentations on selected topics.

Relationship to other courses: this course covers advanced, up to date research topics in data mining and machine learning. It is meant to serve senior graduate students who intend to do a thesis or a project in the field of machine learning, data mining, text mining, web mining, or bioinformatics (several thesis topics will be offered to qualified students at the end of this class). Interested students are encouraged to take CSI5388, possibly in parallel to CSI7162.

Marking: based on participation in discussion, on own presentation, and on handling questions.

There is no textbook including this material. Course contents are based on selected research papers available via citeseer.com or from the instructor.

Venue: Tue 1:30 – 4:30 PM SITE5084

Webpage: <http://www.site.uottawa.ca/~stan/csi7162/>
And also www.tamale.uottawa.ca

Feel free to contact me with questions and inquiries about this class at stan@site.uottawa.ca