CS 453 - Fundamentals of Information Retrieval - Spring 2016

Instructor:	Dr. Dennis Ng	TA:	Eunice, Iris, and Humphrey
Office:	3322 TMCB	Office:	1154 TMCB
Extension:	2-2835	Extension:	None
Email:	ng@compsci.byu.edu	Email:	cs453ta@cs.byu.edu
Office Hours:	See TA/Instructor's Hours	Office Hours:	See TA/Instructor's Hours

Prerequisite: CS 236.

Text: - Croft, Metzler, and Strohman, "Search Engines: Information Retrieval in Practice", Addison Wesley, 2010 (required).

- Lecture Notes for CS 453 (http://students.cs.byu.edu/~cs453ta/notes.html).

Objectives:

- Be able to extract, parse, index, and classify source information for query processing

- Understand and evaluate fundamental IR models: Boolean, Vector Space, Probabilistic, and Fuzzy Set systems

- Know how to represent user's information needs, refine user's queries, and construct query results using snippets and categories

- Learn how to categorize, cluster, and filter query results using various supervised and unsupervised learning strategies

Grading: The final grade will be calculated as follows:

Homework Assignments:	20%	Projects:	30%
Midterm Exam:	25%	Final Exam:	25%

Final letter grades will be given according to University (Grading) Policies as shown below.

A: 93-100%	A-: 90-92%	B+: 87-89%	B: 84-86%	B-: 80-83%	C+: 77-79%
C: 74-76%	C-: 70-73%	D+: 67-69%	D: 64-66%	D-: 60-63%	E: Below 60%

Policy:

Homework & project assignments. Homework assignments will be given approximately once a week and are due at the *beginning of the class lecture* on the due date. Late homework assignments will <u>not</u> be accepted; however, you are allowed to drop **one** of your lowest homework scores. Project assignments are also due at the beginning of class on the due date and cannot be dropped, but can be turned in late with penalty: 5% off on the 1st late day, 10% off on the 2nd late day, 15% off on the 3rd late day, and 20% off on the 4th late day. (All days are school days.) After that, no credit will be given.

Midterm exam. There will be one midterm exam. Everyone must take the midterm exam at the *Testing Center* on the scheduled date. The exam, same as the final, is *closed* book and notes.

Final exam. The final will be comprehensive, but will be weighted towards the chapters covered after the midterm exam. The final will be given at the *Testing Center* on June 15 and 16.