

CS6900: Information Retrieval

Fall 2013

Class Meetings: Mon, Wed, Fri 10:45am–11:40am, ARC 121

Instructor: Razvan Bunescu

Office: Stocker 337

Office Hours: Mon, Wed, Fri 2:05pm–3:00pm, or by email appointment

Email: bunescu @ ohio edu

Class Website: <http://ace.cs.ohio.edu/~razvan/courses/ir6900>

Prerequisites:

- Comfortable with programming.
- Exhibit a basic level of mathematical dexterity.

Textbook:

Introduction to information retrieval

C. D. Manning, P. Raghavan and H. Schtze. Cambridge University Press, 2008

Supplementary Texts:

Modern Information Retrieval

Ricardo Baeza-Yates and Berthier Ribeiro-Neto. ACM Press, 1999

Course Description:

This course covers the design, implementation, and evaluation of modern information retrieval systems, such as Web search engines. It will focus on the underlying retrieval models, algorithms, and system implementations, such as vector-space and probabilistic retrieval models, as well as the PageRank algorithm used by Google. The course will also cover more advanced topics in information retrieval, including document categorization and clustering, recommender systems, collaborative filtering, and personalized search.

Grading:

30%: 3 Homework Assignments

40%: 2 Exams

30%: Final Project

Important Dates:

Monday, Sep. 2: Labor Day, no class.

Friday, Nov. 1: Last day to drop class.

Monday, Nov. 11: Veterans Day, no class.

Wednesday, Nov. 27: Thanksgiving break, no class.

Friday, Nov. 29: Thanksgiving break, no class.

Friday, Dec. 6: Last day of this class.

Course and Attendance policies:

Assignments: All homework assignments are due before class. No late submissions will be accepted without prior approval.

Attendance: It is in your best interest to attend all the lectures. Some of the material will not be found in the textbook or on the slides. Extra credit will be awarded for class activity. Also, be sure to check your OU email on a regular basis for important announcements.

Academic Dishonesty Policy:

All work must be the student's own. All external references used in reports must be properly cited. No credit will be given for duplicate or plagiarized work. Additional measures may be imposed by the University Judiciaries, when conditions warrant. Students may appeal academic sanctions through the grade appeal process. The OU Student Code of Conduct Policy is available online at:

<http://www.ohio.edu/communitystandards/academic/students.cfm>

OU Disability Statement:

“Any student who suspects s/he may need an accommodation based on the impact of a disability should contact the class instructor privately to discuss the student's specific needs and provide written documentation from the Office of Student Accessibility Services. If the student is not yet registered as a student with a disability, s/he should contact the Office of Student Accessibility Services.”

Other Policies:

Be sure to notify the professor of any exam conflicts or other extenuating circumstances well in advance. No missed exams will be made up without prior approval.