

CSC303: Social and information Networks 2019

Instructor: Allan Borodin Email:bor.AT.cs.toronto.edu

TA: Tyrone Strangway

Website: <http://www.cs.toronto.edu/~bor/303s19/index.html>

Lectures M,W 3:00-4:00 MP 134

Tutorials F 3:00-4:00 MP134

Note: We may wind up having to switch a lecture and a tutorial once or twice during the term. Also the midterm will likely be given during a lecture or tutorial hour.

Office Hours: TBA, or by appointment. Sandford Fleming, SF2303B.

Discussions on Piazza: I welcome student replies to questions. I do NOT promise to answer questions on the same day as posted.

Course Description (mainly from the Calendar)

A course on how networks underlie social phenomena with an emphasis on developing intuition and reasoning about broadly applicable concepts in network analysis. Topics include: introduction to graph theory and graph theoretic algorithms, social networks and relevant concepts, game theory, information networks, network dynamics; information diffusion.

Text

Networks, Crowds, and Markets: Reasoning About a Highly Connected World By David Easley and Jon Kleinberg

Grading Scheme

Assignments:	2 worth 15% each
Critical review of a current article:	10 %
Term test:	worth 20% each
Final (3 hours):	40%

See the course website for dates and deadlines. Term test will likely be held during tutorial time slot.

The 20% rule: you will receive 20% of the points for any (sub)problem for which you write “I do not know how to answer this question.” You will receive 10% if you leave a question blank. If instead you submit irrelevant or erroneous answers you will receive 0 points. You may receive partial credit for the work that is clearly “on the right track.” The 20% rule applies to all term work: assignments, term tests, and even the final.

Assignment Policy

Assignments will be submitted electronically on MarkUs (instructions will follow later). Late assignments will *not* be accepted. Accomodation will be made for medical reasons *with documentation*. Requests for regrading (for an assignment or the term test) must be submitted in writing with an explanation as to what you consider to be an incorrect grade. Tyrone and I can immediately look at a clerical error.

Collaboration Policy and Academic Integrity

You are allowed to discuss assignment questions with other students. You are allowed to consult additional materials, e.g., books, papers, websites. Nonetheless, the writeup of your solutions should be your own and should be done in isolation from other students and resources. In addition, you must clearly identify the names of students you collaborated with (if any) and provide a clear description of additional materials you consulted (if any).

The following rule of thumb might help you ensure that you are writing down your own understanding of a solution: (1) do not take notes during discussions with other students, (2) after solving a question, take a one-hour break before writing down the solution, (3) while writing down the solution do not consult any materials.

Copying or allowing other students to copy solutions is a serious academic offense and will be reported. You might find the Arts and Science website on academic honesty (and references therein) helpful: <http://www.artsci.utoronto.ca/newstudents/transition/academic/plagiarism>.

Email Policy

I read email regularly, but I do NOT promise to reply to all emails. In particular, if your question is of general interest, you should use Piazza. If you choose use email, I will probably not respond to it via email. Instead, I will address your question on Piazza or during the following lecture, so that everyone can benefit. Similarly, if your question requires a more technical answer it is better to ask it during a lecture, or a tutorial, or office hours.

Accessibility

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or Accessibility Services at 416-978-8060; <http://accessibility.utoronto.ca/>.

Important Resource

The course website is considered a required reading for this course. Assignments, deadlines, important dates, and other announcements will be posted on the website throughout this course. You are responsible for checking the website regularly.